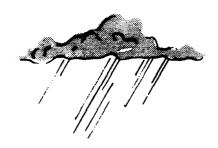


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FINAL REPORT
1970-71 SEASON AND FOUR YEAR SUMMARY



PREPARED FOR:

U. S. DEPARTMENT OF THE INTERIOR

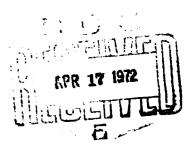
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DIVISION OF ATMOSPHERIC WATER RESOURCES MANAGEMENT

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BY:

KEITH J. BROWN & ROBERT D. ELLIOTT

AEROMETRIC RESEARCH INC.

SANTA BARBARA MUNICIPAL AIRPORT GOLETA, CALIF. 93017

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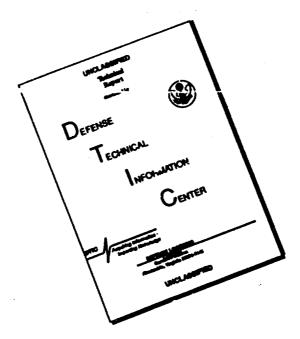
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LARGE SCALE EFFECTS OF CLOUD SEEDING

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16. ABSTRACT

This is a final report based on four years of data on the large scale effects of cloud seeding. This research was sponsored by the Bureau of Reclamation, Division of Atmospheric Water Resources Management. The study was conducted in the area surrounding a randomized seeding project in Santa Barbara County, California sponsored by the Naval Weapons Center, China Lake, California. Seeding was accomplished from a point source using pyrotechnic seeding devices. The seeding and observation unit was a convective band. Substantial statistical evidence is presented showing that precipitation has been significantly increased over a large area 70 to 125 miles from the seeding source. Evidence is also provided showing that the seeding effect is highly temperature dependent and that the time duration of bands is significantly increased as a result of seeding. Also shown is the interaction between convective bands, the possible effects of seeding on surface pressure and the clurnal effect of seeding.

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PREFACE

This report covers research into Large Scale Effects of Weather Modification performed under Contract No. 14-06-D-6841 with the U. S. Department of the Interior, Bureau of Reclamation, Division of Atmospheric Water Resources Management. This study was initiated in April 1966 under a previous contract No. 14-06-D-5963 and work has been in progress since that date.

The field portion of this project has been conducted in cooperation with an ongoing research study in Santa Barbara County, California. This program is operated by North American Weather Consultants (NAWC) under contract with the Naval Weapons Center, China Lake, California.

The authors would like to express their appreciation to the Bureau of Reclamation, Division of Atmospheric Water Resources Management for their continued support of this research effort. Particular thanks are due to Dr. Archie Kahan, Chief of DAWRM and Mr. William Douglas, Project Monitor for their support and helpful suggestions throughout the course of this study.

We are also grateful to the Naval Weapons Center, Earth and Planetary Sciences Division, China Lake, California for their cooperation in this joint program; particularly to Dr. Pierre St. Amand, Director and Dr. S. D. Elliott, Jr., Project Officer for the Santa Barbara Project.

The authors would also like to acknowledge the contributions of many staff members from ARI and NAWC for their invaluable contributions to this research. A special note of thanks to Mr. John Thompson, NAWC Project Director for the Navy's Santa Barbara Project, who also made the band analysis for the entire extended area and contributed greatly to the success of this program.

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LARGE SCALE EFFECTS OF CLOUD SEEDING

BACKGROUND

This report covers the results of the third consecutive year of a field program to investigate the Large Scale Effects of Cloud Seeding. The work during this past year was conducted under Amendatory Agreement No. 1 to Contract No. 14-06-D-6841 between the Bureau of Reclamation, Department of the Interior, and Acrometric Research Inc. (ARI). An earlier contract (No. 14-06-D-5963) scarting in April 1966, and subsequent amendments, enabled ARI to make a "post-hoc" analysis of the effects of cloud seeding in extended areas downwind from six long term operational and research seeding projects in the western United States. The results of these earlier studies have been covered in previous reports (ARI 1967, 1969).

The number of scientists investigating, or at least looking for, large scale seeding effects is growing each year. In addition to the earlier investigators (North American Weather Consultants, 1956; Braham, 1965; Brier, 1966; Adderly, 1968), more recent studies were summarized at a seminar held in Santa Barbara, California on February 15-17, 1971. The transactions of this seminar (Elliott, et al, 1971) summarized the work of a number of these people.

Almost all of the data on large scale seeding effects are statistical in nature. The physical mechanisms controlling these effects can only be inferred by indirect means. To date, no field project has been conducted to measure adequately the necessary atmospheric parameters which might lead to an understanding of this phenomenon.

The ramifications of these effects are very important. The potential for enhancing water supplies over major watersheds by minimal seeding effort appears possible. Suggestions of synoptic scale storm modification are beginning to appear. The negative aspects must also be considered. The current concern with the environmental impact of weather modification will be spread over a larger area and targeting problems with small areas becomes more difficult.

PROJECT DESIGN

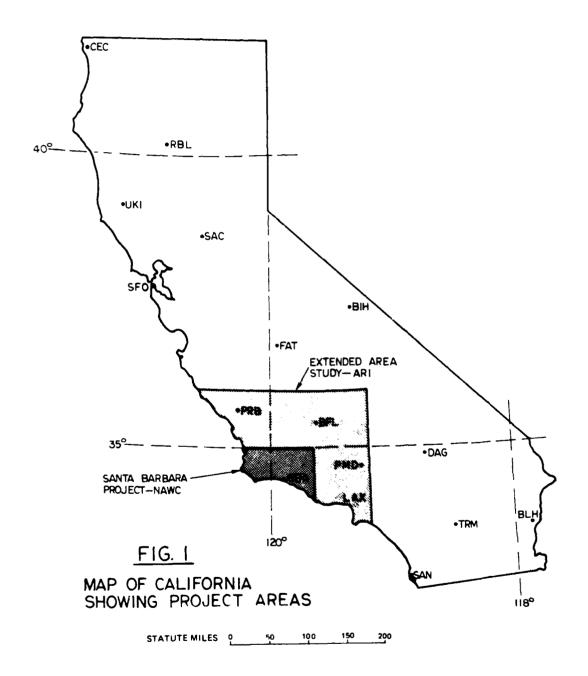
The field study of large scale effects of cloud seeding was operated in conjunction with a randomized seeding project in Santa Barbara County which was sponsored by the Naval Weapons Center, China Lake, California. The Navy project was operated by ARI's affiliate company, North American Weather Consultants (NAWC). This cooperative effort benefited both projects economically and scientifically by eliminating duplication of effort. The project areas for both programs are shown in Figure 1.

The Santa Barbara project began in November, 1967 and the Bureau of Reclamation Large Scale Effects field project started in November, 1968. However, since most of the raingages used in the large scale analysis were operated by various government agencies, it was possible to obtain records for the 1967-68 season and extend the statistical analysis back to include all four seasons.

The design of the Navy project has been reported on in some detail (Elliott and Thompson 1968, 1969, 1970, 1971) and will only be summarized in this report. The observation and seeding unit is a convective band. The basic characteristics of convection bands had been determined during three years of intensive three-dimensional storm sampling in this area in the early 1960's (Elliott and Hovind, 1964). Convection bands not only produce most of the storm precipitation in west coast storms, but also contain the strong updrafts and supercooled water conducive to cloud seeding effectiveness. Bands typically lasted about one to one and one half hours at a given station and are spaced about three to four hours apart. An average of three seedable convection bands were identified in each storm.

During the months of November through April, the convective bands were tracked into the test area by means of an upwind telemetered raingage network and a 3cm radar set located at the seeding site on a 3500 foot mountain ridge. When the leading edge of the convective band reached the seeding site, the project meteorologist issued a "GO" command from the control center at the Santa Barbara Airport. The technician at the seeding site then referred to a set of presclected random decisions and either seeded the band or did nothing on the basis of that decision.

The seeded bands were treated by igniting one LW-83 pyrotechnic device every 15 minutes during the time the band was over the seeding site. The LW-83 unit burns for three minutes and produces 400 grams of silver iodide smoke.



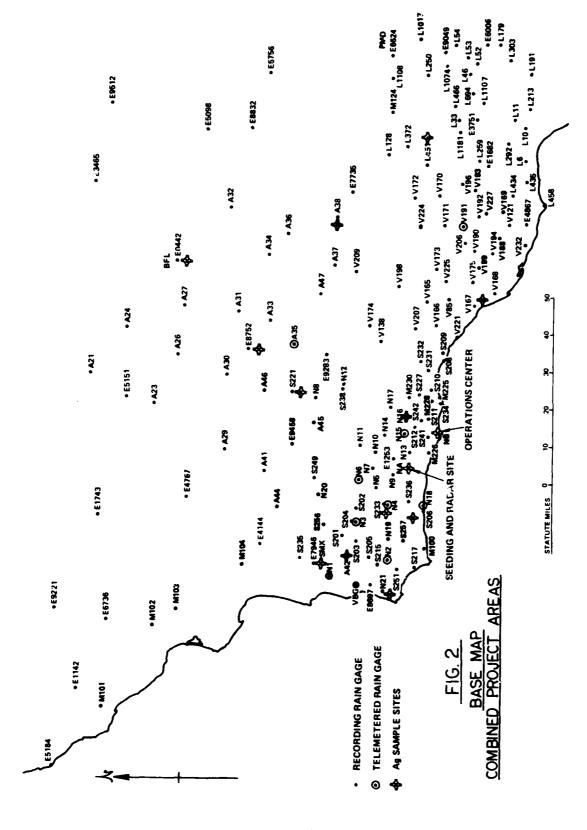
A dense network of recording raingages was available for determining the precipitation patterns produced by the convective bands as they moved through the area. A total of 168 recording gages were used within an area of about 20,000 square miles. Of this total, 45 were installed and operated by ARI and NAWC for the combined project and the remainder were operated by various government agencies. Figure 2 shows the equipment network for the combined projects. Copies of all raingage charts during storm periods were obtained from the respective agencies. Gage locations are shown in Appendix A.

The bands were tracked through the network on the basis of the raingage records. A meteorologist skilled in band analysis and not informed of the randomized seeding decision determined the arrival and departure time of the band at each station and the amount of rain which fell during that interval. When these values were determined for all bands, the seeding decision was revealed and seed/no seed ratios of band precipitation and band duration were computed for each station.

Measurements of the air-mass characteristics were made with a GMD-1 Rawin-sonde Receiver at the Santa Barbara Airport and when possible with a RD-65 Rawinsonde unit at Vandenberg Air Force Base. An attempt was made to release one rawinsonde balloon into each band as it passed over the Santa Barbara Airport.

Precipitation samples were collected at eleven sites for analysis of silver content. Precipitation collectors were installed at the sites shown in Figure 2 and a local resident instructed to expose a clean plastic liner when directed by the project meteorologist. The samples were then placed in a freezer and later shipped in dry ice to the Bureau of Reclamation Laboratory in Denver for silver analysis.

The original design of the Navy Project for the 1970-71 season called for a change in seeding mode from the mountain top, point source pyrotechnic seeding used in the three previous seasons to an aerial line source using an acetonesilver iodide-ammonium iodide solution. Arrangements were made with Vandenberg AFB (VBG) to utilize their ARSR surveillance radar and traffic controllers and to fly in the controlled air space just off the coast of VBG. The former primary seeding site on the mountain ridge was to be retained as a backup in case aerial seeding could not be performed. A number of unanticipated problems



occurred which limited the aerial operations to seven rather marginal bands while the bulk of the seeding was conducted in the same manner as the previous three years.

WORK PERFORMED

The 1970-71 field program began November 1, 1970 and continued through April 1971. There were several good seeding opportunities during November and December, but the remainder of the season was relatively dry with only minor seeding opportunities. The storms after mid-December were characterized by cold air masses and generally light precipitation.

A total of 29 bands were declared operational during the 1970-71 season. Twenty-two of these were treated by the ground seeding mode - 13 seeded and nine not seeded; and seven by the aerial seeding mode - three seeded and four not seeded.

After four years of pyrotechnic seeding from a single ground location, a total of 107 bands have been identified and declared operational. Fifty-six of these bands were seeded and 51 not seeded.

MODEL COMPUTATIONS

kawinsondes were taken just prior to the entrance of the bands into the test area. In order to make quantitative use of this abundant air mass and wind data for elucidating the observed patterns of seeding effect, use was made of the Area of Effect model (Elliott, 1969). This model has been specifically developed for predicting the area of effect due to the seeding of winter storms over an orographic barrier under both stable and unstable air mass conditions. As applied here, only the unstable case is used. The model considers the barrier configuration, the inflowing air mass structure as given by a sounding, and the location, strength, and type of the artificial nuclei source.

The model is steady state and Lagrangian in character. It predicts the movement and dispersion of the nucleant, its entrainment into convection, and the production of ice particles by nucleation, their growth by diffusion and accretion as they ascend in convection, and their drift during fallout from tilted convection columns.

The area of effect model employs a parameterized form of convection; however, a dynamic convection model using the same ice phase nucleation and growth mechanism is used in a supplementary fashion to predict seeding-produced rise in the top of convection and the updraft which is generated.

The combined models show that in the winter storm convection prevalent in this area, the possibility of overseeding, i.e., a seeding-produced reduction in precipitation through an oversupply of artificial nuclei, is possible in very cold systems. The dynamically-produced rise in cloud top may increase the chance of overseeding with many small ice crystals being ejected from the top of convection.

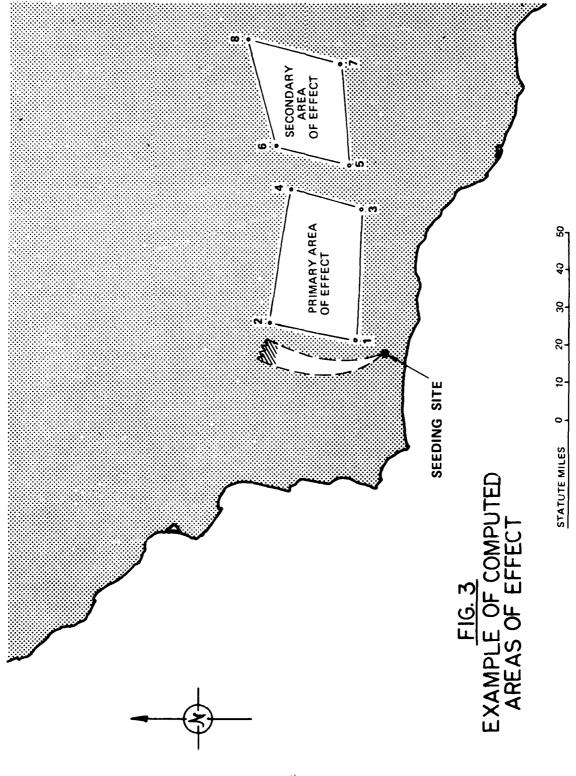
Figure 3 is an example of the predicted area of effect for a hypothetical case. The quadrilateral enclosed by the solid lines and marked primary area of effect represents the envelope of possible fallout trajectory endpoints (ground interception). The dashed line represents the limits of the ground plume.

Diffusion within the ground plume is assumed to follow the type of plume which observations and laboratory modeling indicate occurs in the rugged terrain around Climax, Colorado (Orgill, 1971). The plume expands vertically and horizontally quite rapidly in the first 5 km, and at a lesser rate thereafter. First entrainment into convection is assumed to occur at 500 sec plume travel distance out from the source. The farthest-out entrainment is assumed to occur at a distance which smoke particles from the first flare could have reached at the time the trailing edge of the band passed by the source.

In some instances the ground plume top rose sufficiently high for seeding to occur within it. This is shown by the hatched area within the plume boundaries in this hypothetical case.

The closest-in fallout from convection (usually the largest and earliest nucleated particles) is calculated to reach the ground at point 1 from the first possible convection tower and at point 2 from the last possible tower. Computations for more towers show that the straight line drawn between 1 and 2 is a fair approximation of the calculated upwind limit of the effect. The farthest-out fallout from convection (usually the particles falling from near convection top) intersect the ground at position 3 (first tower) and position 4 (last tower). This area is designated the primary area.

Radar data indicate that convection in these systems and the precipitation patterns associated with it more about 30° to the right of the mean wind direction between the base and top of convection and at about half its speed. This



behavior conforms to the motion of thunderstorms as discussed by Newton (1959, 1963). In general, it appears that in winter systems observed in western United States, only the shallow small cells move in the direction of the air within which they are embedded. The larger ones move well to the right. The 30° turning is incorporated into the area of effect model predictions.

There remains, however, the possibility that some effect may occur far downwind because the excess of small ice crystals ejected from convection top form an ice anvil which moves rapidly downwind in the environmental wind flow. Seedingproduced cloud top rises would enhance the production of such anvils. As has been shown by Braham and Spyers-Duran (1967), ice crystals have been observed to survive falls of 20,000 feet through relatively dry air from cirrus. The particles they observed were of sufficient concentration to seed cumulus clouds into which they fell, and this appeared to have happened in cases which they observed. It is conceivable that artificially enhanced anvil action produced in the after part of the band, could move forward relative to the band and seed clouds in the forward part, or even in advance of the band. As a check on this possibility, the free fall ballistic trajectories of the most frequent ice particle masses and concentrations calculated to be ejected from convection tops were computed, assuming also their continued growth by accretion in falling through lower cloud forms. The ground interceptions computed in this way are shown for the first and last towers by the positions 5, 6, 7, and 8 linked by the dotted lines in Figure 3. It is seen that this secondary area lies downwind of the primary area of direct effect outlined by points 1, 2, 3, and 4.

Computations along the lines discussed above were made for each seeded band, using as inputs the band soundings and seeding data. The results were composited by drawing an envelope around the individual band areas of effect for all seeded cases. The primary and secondary areas of the various cases overlap, and figures 8, 9, 10 and 16 show separately by dashed line the downwind extension of the envelope produced solely by the secondary effect. The model as employed does not distinguish between the case of a seeding-produced increase in precipitation and the case of a reduction in precipitation. It merely indicates the area where any effect, positive or negative, can be expected.

RESULTS

Precipitation Analysis

Ratios of mean seeded band precipitation to mean not-seeded band precipitation were computed for 168 gages lying over the land area upwind as well as downwind of the seeding source. The band precipitation data at each station were also ranked and the single tail Wilcoxon (Mann-Whitney) U test applied to determine if the seeded sample showed significantly higher ranking than the not-seeded sample. Figures 4, 5, 6 and 7 show the precipitation ratios for each of the four years (1967-68, 1968-69, 1969-70 and 1970-71) that the Santa Barbara field study has been conducted. Each year shows high seed/no seed ratios centered 60 to 90 miles downwind from the seeding source.

While the patterns of the individual years are interesting, the statistical significance of any one year's data is not particularly high. However, when all four years are combined producing a sample of 107 cases, the pattern becomes quite clear and the significance level is very high. This four year ratio map is shown in Figure 8. The <u>direct seeding effect</u> in the primary area shows up as a region extending from the seeding site about 30 miles downwind with precipitation increases of 50% or more during the seeded bands. The <u>large scale effects</u> of seeding are indicated by a very large area with ratios of from 1.50 to over 4.00 extending from north of Bakersfield to the Los Angeles area.

Of the 168 precipitation stations used in this analysis, 60 showed statistically significant differences in the ranks of seeded band precipitation compared to unseeded bands at the 10% level of confidence. Twenty-eight of these stations were significant at the 5% level and four at the 1% level. The statistical test used for this calculation was the non-parametric Wilcoxon (Mann-Whitney) test.

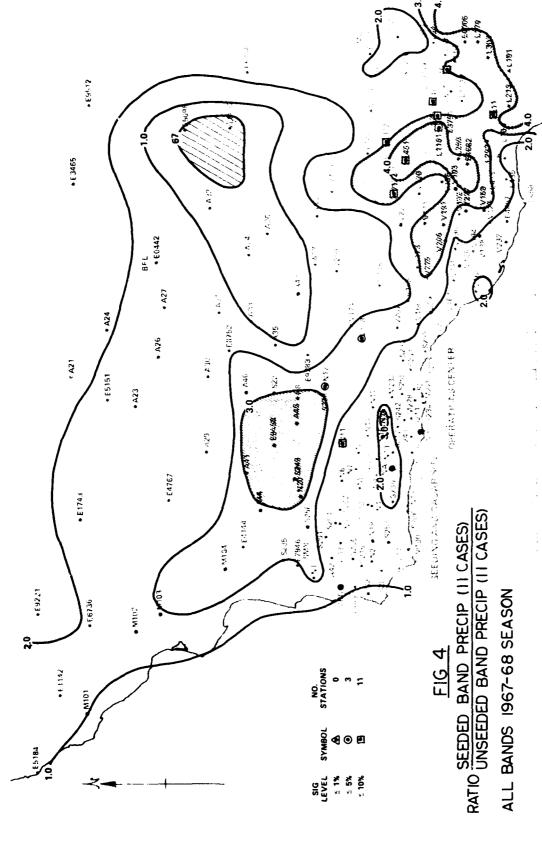
In order to test the likelihood of such a large number of stations achieving significance at those levels, a Binomial Test was applied. This test statistic is given by the following formula:

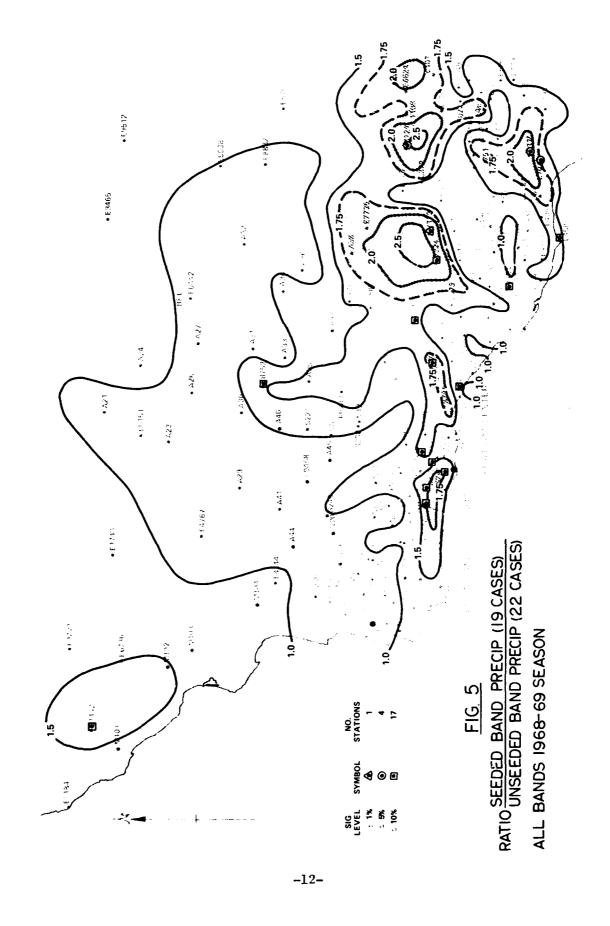
$$\frac{X - PN}{\sqrt{P(1-P)} \sqrt{N}} \tag{1}$$

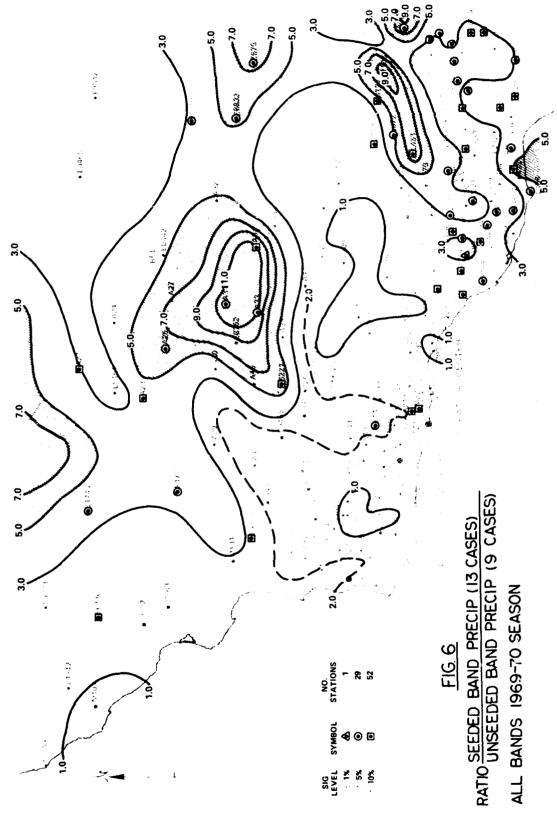
where X = number of stations significant at given probability level (P)

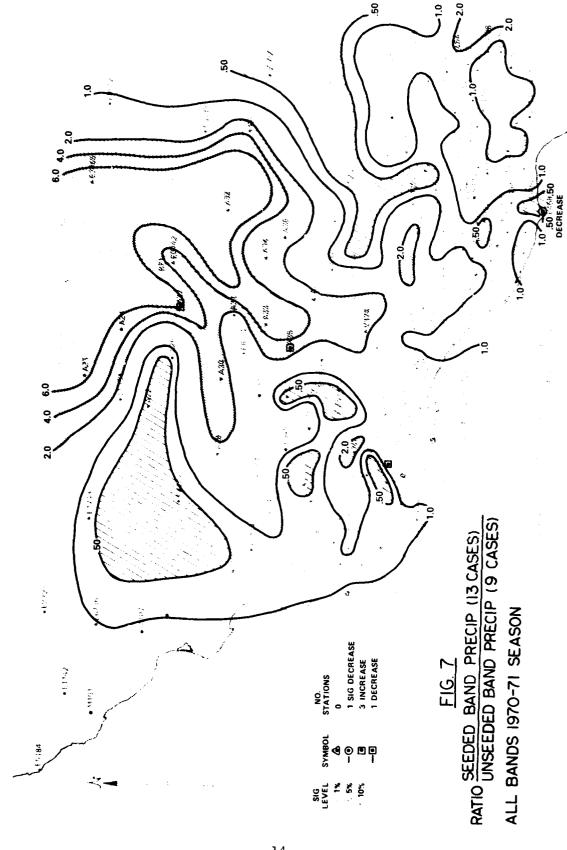
P = probability level

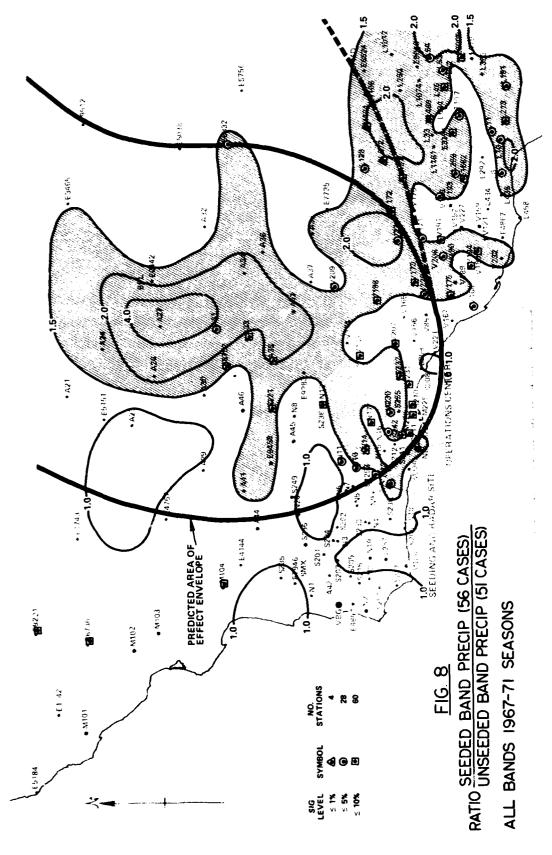
N = number of stations in sample











Equation (1) then reduces to the following equations for 10%, 5%, and 1% levels of probability:

10% level
$$\frac{X - .10N}{.949 \sqrt{N}}$$

5% level $\frac{X - .05N}{.218 \sqrt{N}}$

1% level $\frac{X - .01N}{.099 \sqrt{N}}$

If we divide the stations shown in Figure 8 into three zones: The area within the predicted area of effect envelope (including the cirrus fallout extension); the area to the left of the envelope; the area to the right of the envelope, the following test statistics are derived.

Table 1 - Binomial Test Statistics

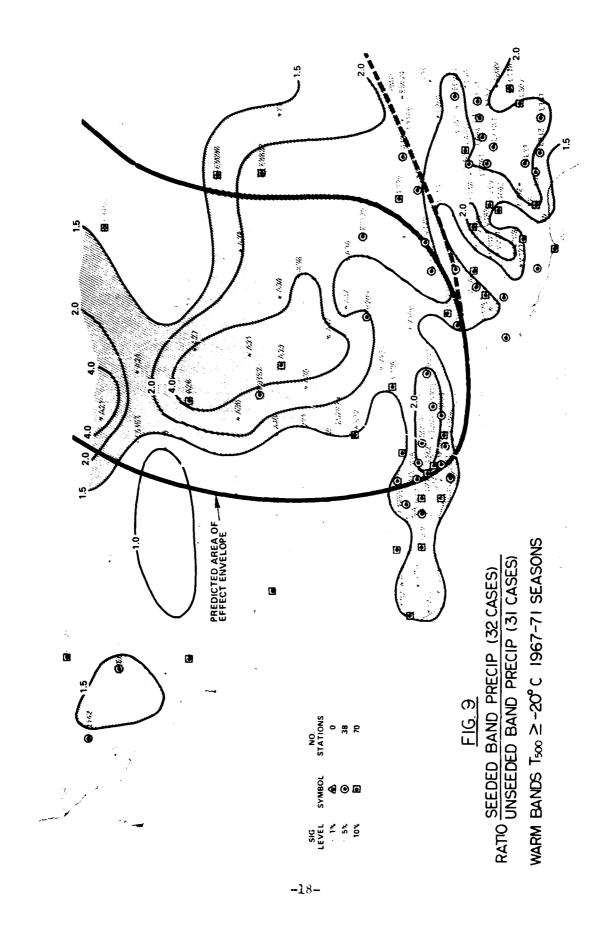
| Prob. Level | Area of Effect N = 73 | | Left of Area N = 45 | | Right of Area N = 50 | |
|-------------|-----------------------|-----|---------------------|------|----------------------|------|
| | | | | | | |
| 10% | X = 31 | 2.9 | X = 6 | 0.2 | X = 23 | 2.7 |
| 5% | X = 15 | 6.1 | X = 1 | -0.9 | X = 12 | 6.1 |
| 1% | X = 4 | 3.9 | X = 0 | -0.7 | X = 0 | -0.7 |

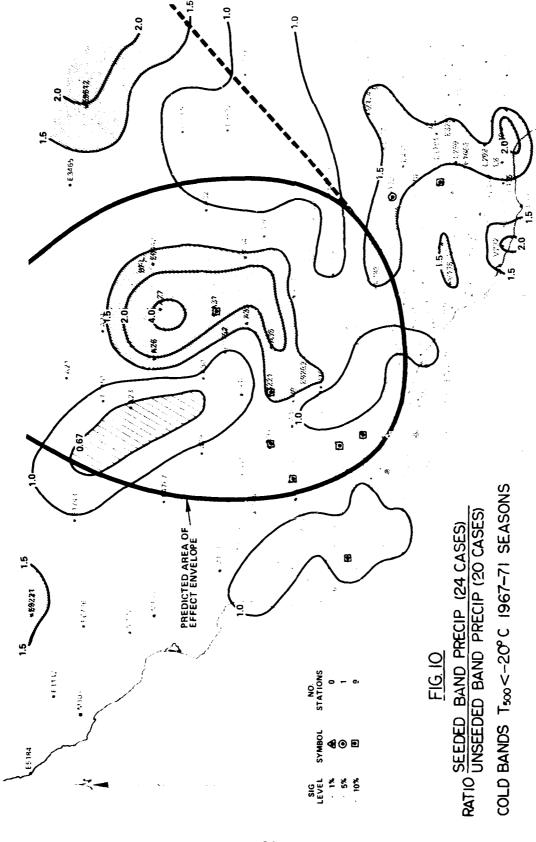
The probability of detecting so many stations significant at the given levels by chance is calculated to be between .002 and .00001 within the predicted area of effect envelope, while the upwind area to the left of the predicted fallout area has only the expected number or less number stations significant at the various levels. The area to the right or south of the area of effect envelope has a highly significant number of stations in the 10% and 5% categories. For example, the probability of observing twelve or more stations significant at the 5% level within this area containing 50 observing stations is less than .00001.

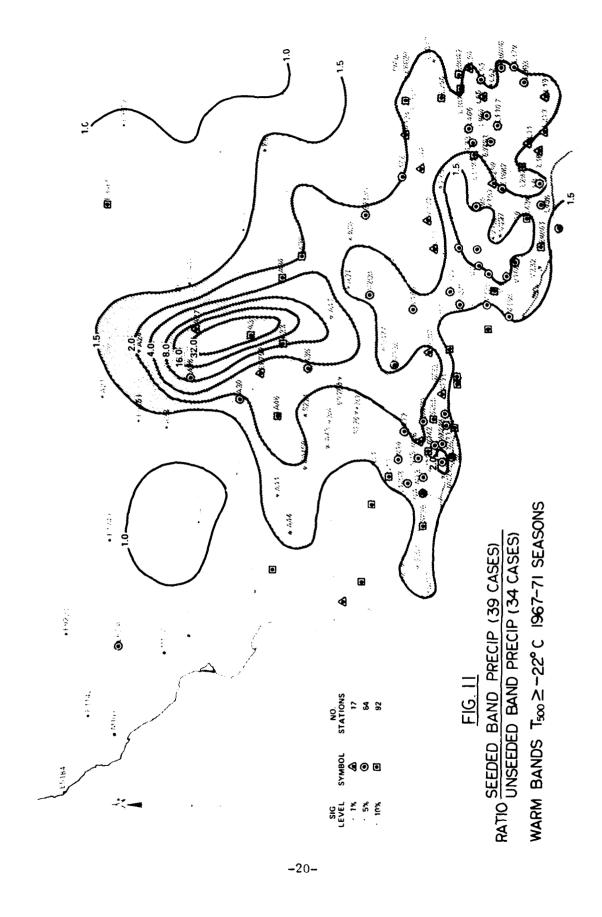
The four year sample of band precipitation was stratified by various meteorological parameters in order to test the effect of each parameter on seeding effectiveness and location. One of the major stratifications has been on the basis of 500 mb temperatures which are used as an estimate of cloud top temperature since no direct measurements of cloud top height have been available. The dependence of seeding effectiveness on cloud top temperature has been well documented by Grant (1967) and others.

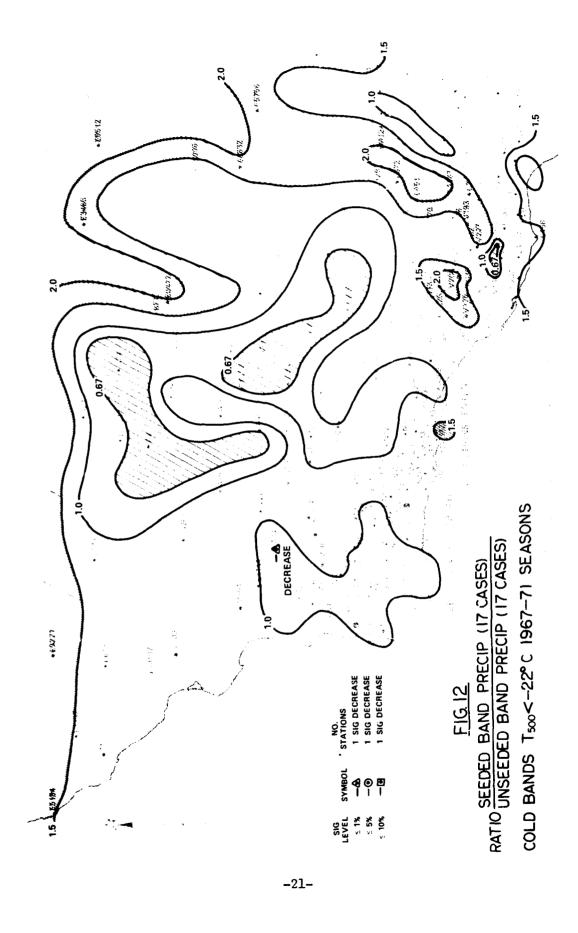
Three different temperature divisions were tested with the warm-cold split occurring at -18°, -20° and -22°C. There was very little difference between the seed/no seed ratios of the bands when the temperature division was made at -18°C. When the division occurred at -20°C however, a significant difference begins to be apparent with the bands with 500 mb temperatures equal to or warmer than -20°C (Figure 9) showing a large area of high seed/no seed ratios in both the primary seeding area and in the area 60-90 miles downwind. In the warm category 70 stations show significance at the 10% level and 38 at the 5% level. The bands with 500 mb temperatures colder than -20°C (Figure 10) show much smaller areas of high seed/no seed ratios and an area with ratios of less than 0.67 (50% less rain from seeded bands) appears about 60 miles north of the seeding site. Contrasted with the warmer category, only one station is significant at the 5% level and nine at the 10% level or less.

When the temperature division is made at -22° C, the contrast becomes even more evident. The seed/no seed precipitation ratios from the bands with 500 mb temperatures of -22°C or warmer (Figure 11) are greater than 1.50 over a very large area and extremely high ratios (over 20:1 at stations A27 and A31) are observed in the San Joaquin Valley. The ranking of the precipitation distributions was significantly different at 92 stations at the 10% level, 64 stations at the 5% level and 17 stations at the 1% level. The bands with 500 mb temperature colder than -22°C (Figure 12) show a rather large area with ratios under 0.67 in the same region where high ratios occurred in the warm category. Most of the higher ratios (over 1.5) occur over the Sierra Mountains more than 120 miles from the seeding site. The Wilcoxon (Mann-Whitney) test showed only one station with a precipitation distribution which was significantly different for seeded and unseeded bands and that station(A44) showed a decrease in precipitation from seeded bands significant at the L% level. The sample size for that particular station was quite small, however, (six seed, six no seed), so the results may be questionable.







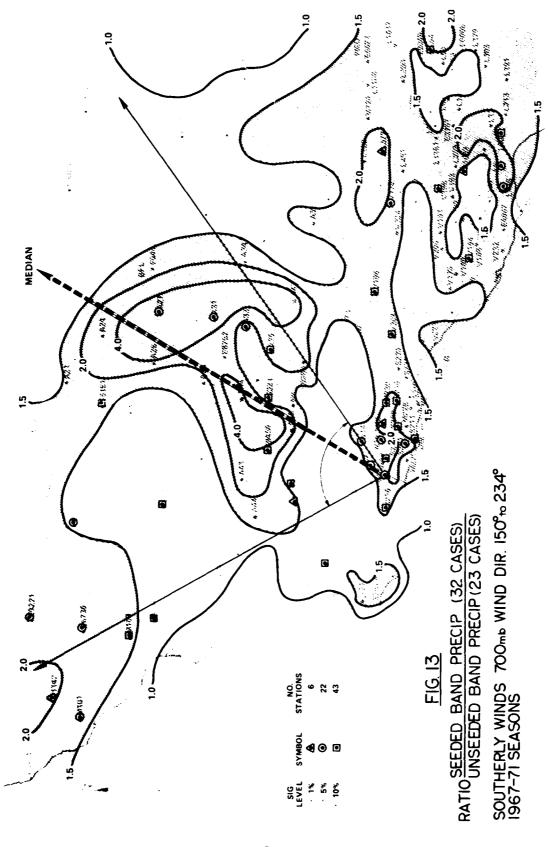


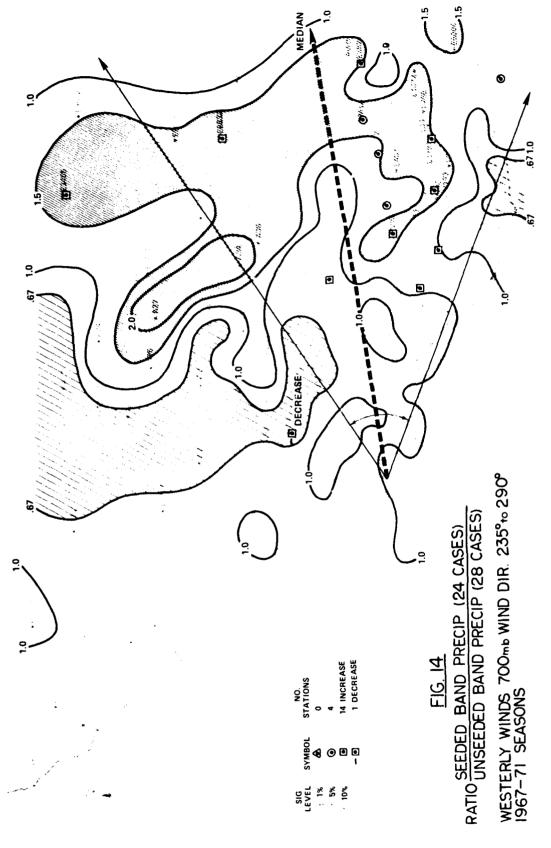
It would appear that when seeding is done during the coldest storms, the precipitation is decreased due to overseeding. As the system moves further east and new moisture is entrained, the proper mixture of ice crystals and supercooled water is achieved and rainfall is then increased.

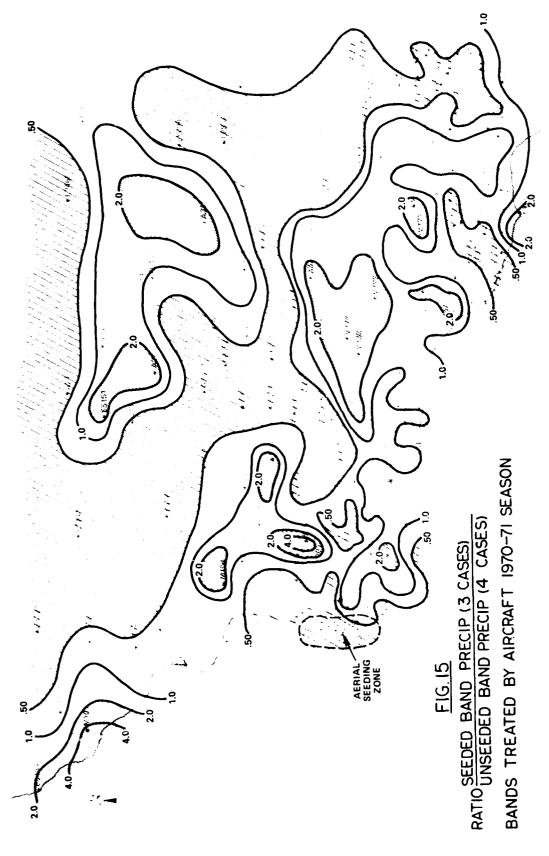
Another stratification of the precipitation data was made on the basis of 700 mb wind direction. The 700 mb level is considered representative of the area midway between cloud base and cloud top and is generally believed to be important in steering cell movement. The four year data sample was divided into two approximately equal groups with winds from 150 to 234 degrees assigned to the southerly category and winds from 235 to 290 degrees in the westerly group.

The southerly wind group (Figure 13) shows large areas with ratios over 1.5 especially in the San Joaquin Valley which fits well with the median wind direction for this category. Several rather surprising patterns also appear in Figure 13. The area of high ratios and associated low probabilities in the northwest corner of the map is very difficult to explain since the band has almost always passed these stations when seeding is initiated and then therefore presumably couldn't be effected by the seeding. The general high ratios in the southeast portion of the map is rather surprising with a southerly wind component. concentrated area of high ratios and significance immediately east of the seeding site is also surprising when compared to those bands with a westerly 700 mb wind as shown in Figure 14. It appears that almost all of the close in seeding effect occurs with a southerly wind component but not in a direction which the wind would carry the nucleant. The major area of high ratios in the westerly wind group appears over the Sierras extending south to the San Gabriel Mountains and is not inconsistent with the median flow. An area of apparent precipitation decrease is located along the west side of the San Joaquin Valley with one station (A45) showing a statistically significant decrease at the 5% level.

Since the aerial seeding mode was used on only seven bands (three seeded and four not seeded), the statistical analysis of the precipitation patterns cannot be considered as significant evidence. However, Figure 15 showing the seed/no seed precipitation ratios for these aerial bands is presented for completeness. A possible area of direct seeding effect is located about 20 miles east of the seeding track. Several high ratio areas are also evident 80 to 100 miles east and northeast of the seeding track.







Band Duration Analysis

The band duration, the elapsed time from the onset of the leading edge of the band at a given point to the passage of the trailing edge at the same point, varies considerably from band to band and from station to station within any band. A statistical analysis was made to determine whether seeding altered the time duration of the band in addition to the precipitation total produced by the band.

Figure 16 depicts the seed/no seed ratio of band duration for all four year's data. Since band duration comes closer to a normal distribution than precipitation data which are notoriously skewed, the ratios in Figure 16 do not show the extreme values found in Figure 8. However, a clear pattern is evident with ratios of over 1.5 in the primary seeding area and large areas of ratios over 1.5 in the extended area. Even more astounding is the large number of stations showing duration distributions which were different and significant at very low probability levels. A total of 98 stations showed distributions significant at the 10% level, 64 at the 5% level and 15 at the 1% level. When we repeat the Binomial Test described in the previous section, the results are quite outstanding, as shown in Table 2.

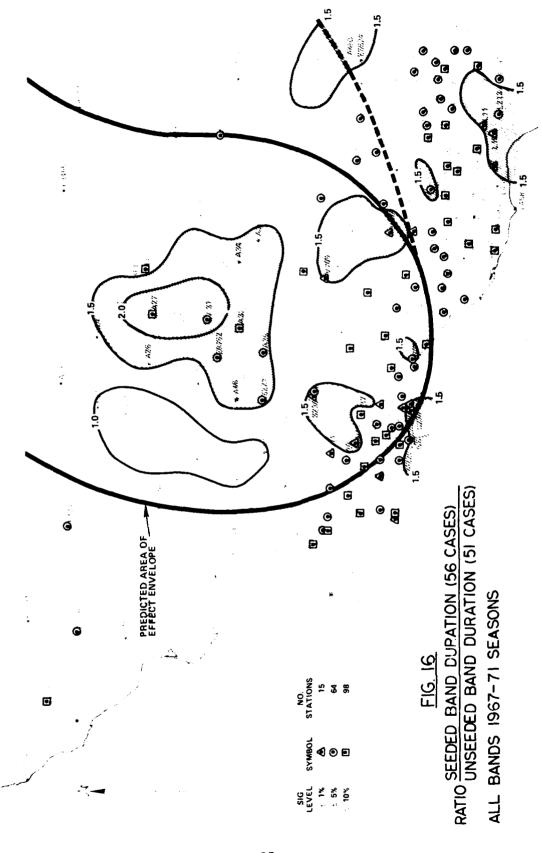
Table 2. Binomial Test Statistics

| Prob. Level | Area of Effect | Left of Area | Right of Area | |
|-------------|---------------------|--------------|---------------------|--|
| | N = 73 | N = 45 | N = 50 | |
| 10% | X = 45 	 4.65 | X = 17 1.96 | X = 36 4.62 | |
| 5% | X = 31 14.68 | X = 10 5.30 | X = 23 13.30 | |
| 1% | $X = 9 \qquad 9.78$ | X = 2 	 2.33 | $X = 4 \qquad 5.00$ | |

With test statistics as high as those observed, one can state that the odds against observing so many stations significant at each level is well over a million to one.

CONCENTRATION OF SILVER IN PRECIPITATION

Samples of precipitation were collected during band passage at some stations over the last two seasons. These were sent to the Bureau of Reclamation office for determination of silver content by atomic absorption techniques. During



1969-70, collections were made at four stations, making use of sequential samplers which collected rain samples in plastic bottles every 60 minutes. The samples examined were those best covering the time interval of the seeded or not seeded band passage at each station. During 1970-71, observers made the collections manually following alerts by project control. In each season, immediately following collection, the samples were frozen, then shipped to the Bureau of Reclamation office in Denver for analysis.

Table 3 lists the results of these collections. It was not possible to sample every band, and indeed the number is small for making anything more than a minimal type analysis. Figure 17 shows the silver ratios determined, lumping together the different sets of stations used in each of the two seasons sampled. Also shown in Figure 17 are the seed/no seed precipitation ratios for only those bands and stations which were sampled for silver content. Silver ratios above one tend to lie within the envelope of the all band area of effect or immediately upwind thereof. There is a suggestion that low level plume drift to the west before entrainment may be more important than the model would indicate. The area of high precipitation ratio most noticeable in Figures 9 and 11 lies in a similar region. The high silver ratio at Big Eye, right next to the source, may reflect a large degree of washout of oversize particles in that vicinity.

It is perhaps significant that the two stations in the downwind region lying just to the right of the model's envelope have silver ratios of under one. This suggests that the high precipitation ratios observed in this area are not the direct result of artificially altered microphysical processes.

The corresponding precipitation ratios shown in Figure 17 point out the danger of spring conclusions based on this limited sample. It is apparent that the precipitation ratios bear little resemblance to the patterns shown in earlier figures. The only areas with ratios of over one are in the far upwind, far downwing and south of the seeding site. Little relationship can be found between areas of high silver ratio and high precipitation ratio.

The sample from the aerially seeded bands is too small to provide meaningful results.

EFFECTS OF SEEDING ON OTHER BANDS AND ON BETWEEN-BAND PRECIPITATION

No analysis would be complete without considering the possibility that seeding a given band might affect precipitation in an area much wider than the

TABLE 3-A

CONCENTRATION OF SILVER IN PRECIPITATION

Grams per Mililiter x 10⁻¹⁰

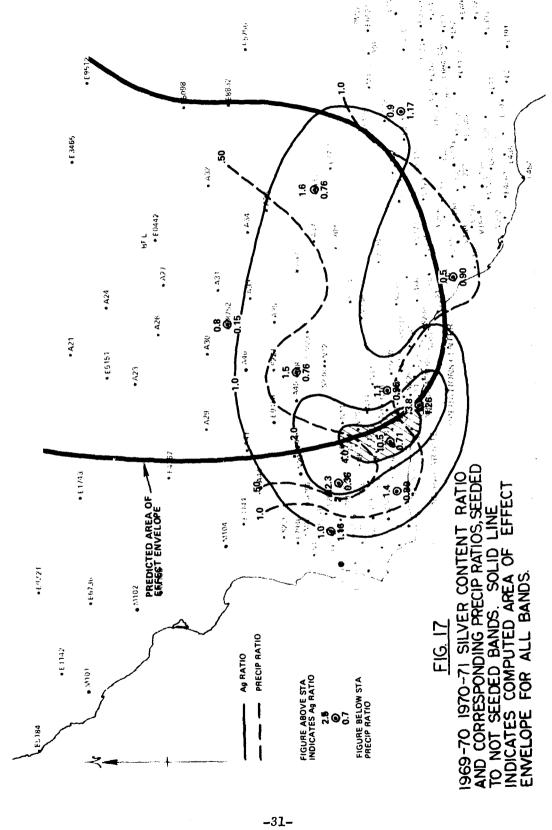
1969-70 Season

| | | | | Las Cruces | | NAWC |
|-------------|------------------------|----------------------|----------------------------|------------------------|----------------------------|---------------|
| Band No. | Date | Seed-S No Seed-NS | Barca Ranch Station A42 | 1.5 WNW Station A43 | Los Prietos Station Nló | Station NB |
| NO. | -/ale | No seed-Ns | | | | |
| 1 | 11/5/69 | NS | 0.7×10^{-10} | $<0.2 \times 10^{-10}$ | $<0.2 \times 10^{-10}$ | Msg. |
| 2 | 11/6/69 | S | 0.7 | 1.0 | < 0.2 | Msg. |
| 3 | 1/9/70 | NS | Msg. | 1.6 | 0.4 | Msg. |
| 4 | 1/9/70 | S | Msg. | 0.7 | 1.3 | Msg. |
| 5 | 1/9/70 | S | 0.8 | | 1.1 | Msg. |
| 5 | 1/9/70 | S | 0.3 | 2.5 | 0.7 | Msg. |
| 14 | 2/28/70 | NS | | | 1.5 | Msg. |
| 14 | 2/28/70 | NS | 0.7 | Msg. | 0.6 | Msg. |
| 14 | 2/28/70 | NS | | | 0.7 | Msg. |
| 15 | 2/28/70 | S | 0.9 | Msg. | 0.3 | Msg. |
| 16 | 2/28/70 | S | 0.7 | Msg. | 0.5 | Msg. |
| 17 | 3/1/70 | NS | 0.6 | Msg. | Msg. | Msg. |
| 18 | 3/1/70 | S | 0.3 | Msg. | 0.6 | Msg. |
| 19 | 3/1/70 | S | 0.3 | Msg. | 0.2 | Msg. |
| 22 | 3/4/70 | S | 0.9 | 1.8 | 0.8 | 0.9 |
| 22 | 3/4/70 | S | | 0.9 | | |
| 22 | 3/4/70 | S | 1.1 | 1.7 | 1.1 | 1.2 |
| | | | | | | |
| Seed | /No seed | Ag Ratio: | 1.00 | 1.44 | 1.12 | |
| | responding Precip R | • | 1.16 | 0.89 | 0.96 | |

Rinse Concentrations: 1.0, 0.7, 2.8, 1.7, 1.5, 016

CONCENTRATION OF SILVER IN PRECIPITATION
Grams per Mililiter x 10-10
1970-71 Season

| Santa Maria E7946 | | | | | <0.3 | | 0.5 | <0.3 | | | 1 | | ı | | 0.3 | 0.5 | | 0.3 | | 1.3 | 0.33 |
|--------------------------|----------------------|------------|-----------|-----------|-------------|-------------|------------|----------------|------|------------|------------------------|-----------------------|--------------------|--|------------|-------------|-------------|------|------------|------------------------|---|
| Buellton N4 | 9.0 | 5.4 | 0.4 | | 0.9 | 1.1 | 1.0 | 0.5 | | | 2.3 | | 0.36 | | <0.3 | 0.3 | | 6.0 | | 0.3 | 0.57 |
| Bakers- field E442 | | 9.0 | | | | | | 9.0 | | | 1 | | I | | | | | | | 1 | ı |
| Saugus L372 | | | | | 0.4 | 9.0 | | 0.7 | | | 6.0 | | 1.17 | | | | | | | | t |
| Taft E8752 | | 0.5 | | | 1.2 | 1.4 | | 0.5 | | 0.5 | 0.8 | | 0.15 | | 0.8 | | | | | | ı |
| Big Eye NA | 38.0 | 8.3 | 8.0 | 41.0 | 1.7 | 3.6 | 290.0 | 8.2 | 15.0 | 12.1 | 10.5 | | 0.71 | | 1.4 | 1.6 | | 30.0 | 10.0 | 0.1 | 0.71 |
| Соттап АЗ8 | | 0.5 | | | <0.3 | <0.3 | • | 9.0 | | | 1.6 | | 0.76 | | | | | | 9.0 | 1 | 1 |
| Montalvo V167 | | 0.5 | 1.2 | | 0.5 | 1.8 | | 1.2 | | | 0.5 | | 06.0 | | | | | | | ı | ì |
| New Cuyama N8 | | 0.7 | 0.4 | 3.1 | 9.0 | 0.0 | | 0.3 | | 1.0 | 1.5 | | 0.76 | | 5.8 | | | 0.3 | | 9.3 | 8 |
| VBG N21 | | | | | 2.5 | | | | | | 1 | | ı | | 8.0 | 2.1 | J.7 | | | 2.1 | 8.00 0.67 |
| NAWC NB | 5.2 | 0.8 | 0.4 | 3.2 | 1.8 | 0.5 | 1.1 | <0.3 | 1.6 | 0.5 | 4.3 | | 1.26 | | 0.4 | | | 0.5 | | 0.8 | 8.00 |
| No Seed-NS | တ | တ | NS | S | S | NS | S | S | S | NS | Ag Ratio: | g Seed/No | Ratio: | | တ | S | NS | NS | NS | Ag Ratio: | g Seed/No Ratio: |
| Baid No. Date | Ground 4 11/28/70 | 7 11/29/70 | 8 12/2/70 | 9 12/2/70 | 11 12/18/70 | 14 12/20/70 | 18 2/16/71 | $20 \ 3/12/71$ | | 22 4/14/71 | Seed/No Seed Ag Ratio: | Corresponding Seed/No | Seed Precip Ratio: | | _ | A2 12/16/70 | A3 12/16/70 | | A7 4/17/71 | Seed/No Seed Ag Ratio: | Corresponding Seed/No Seed Precip Ratio: |



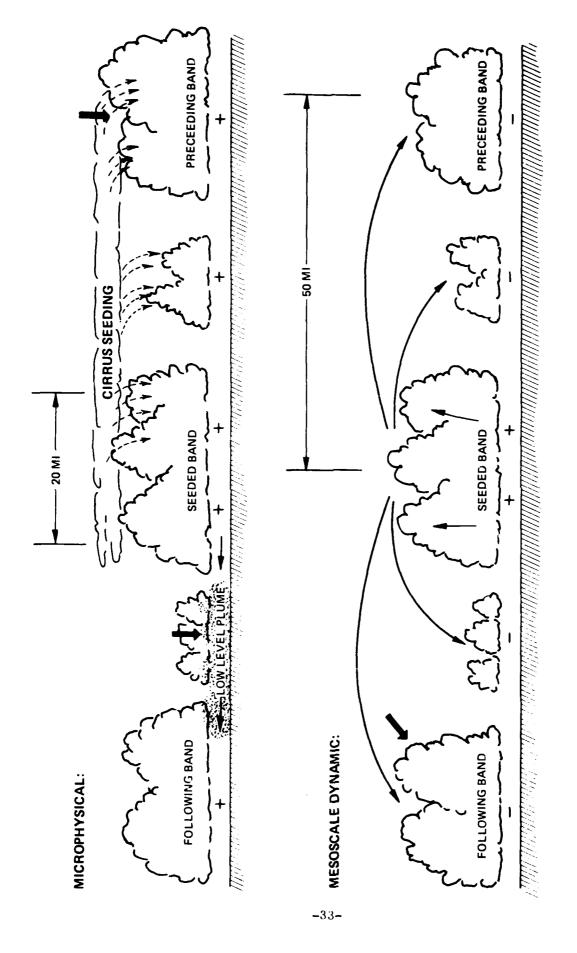
band itself. The possibility of seeding from artificial cirrus which has moved downwind from the parent band has been mentioned already. There is also the possibility of seeding the area following the band as the low level silver iodide plume drift continues after band passage. Both of these microphysical effects should, on the average, have a positive effect on precipitation.

A mesoscale dynamic effect would be the production of downdrafts far outside of the artificially invigorated segment of the band. In large Great Plains thunderstorms a suppressing effect occurs on convection up to 75 miles from the storm (Schock and Gelhaus, 1971). The average spacing between consecutive convection bands is around 50 miles. These possible microphysical and dynamic effects are summarized in Figure 18.

A statistical analysis to determine the possible interaction between bands was made by computing the ratio of precipitation from bands followed by a seeded band divided by bands followed by an unseeded band without regard as to whether the band in question was seeded or not. These ratios are shown in Figure 19. An interesting pattern is evident with a large portion of eastern Santa Barbara County, Ventura County and Los Angeles County receiving twice as much rainfall when a band is followed by a seeded band as when it is followed by an unseeded band. A total of 37 stations show significantly higher ranks at the 10% level when followed by a seeded band and 22 at the 5% level. The area to the north of this region, however, shows a 50% decrease in rainfall when a band is followed by a seeded band. This area is primarily in the San Joaquin Valley. Nine of these stations have decreased ranks significant at the 10% level.

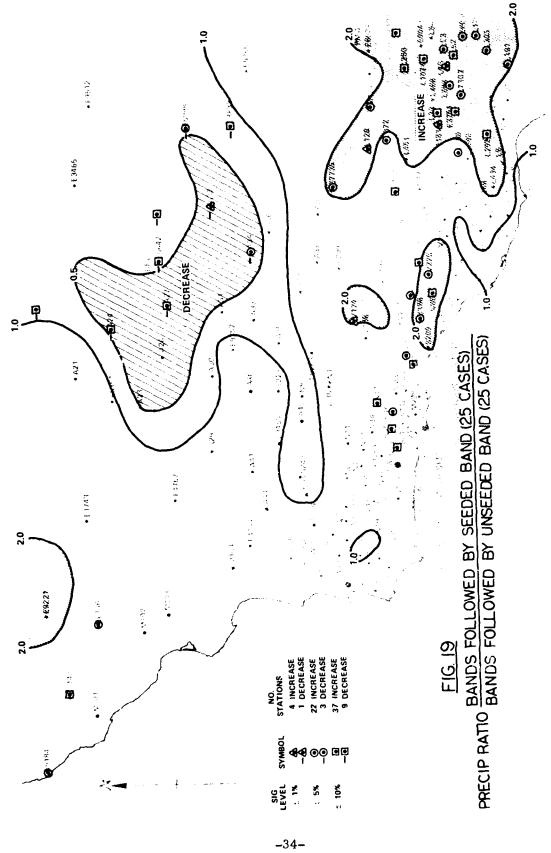
The area of enhanced precipitation could be due to cirrus seeding as shown in Figure 18, however, it would require an outflow of cirrus well to the right of the cirrus level wind flow. The area of decreased precipitation is more difficult to explain since it is more directly in line with the expected cirrus flow. It may be that in the drier San Joaquin Valley, the subsidence produced by a mesoscale dynamic effect is more pronounced.

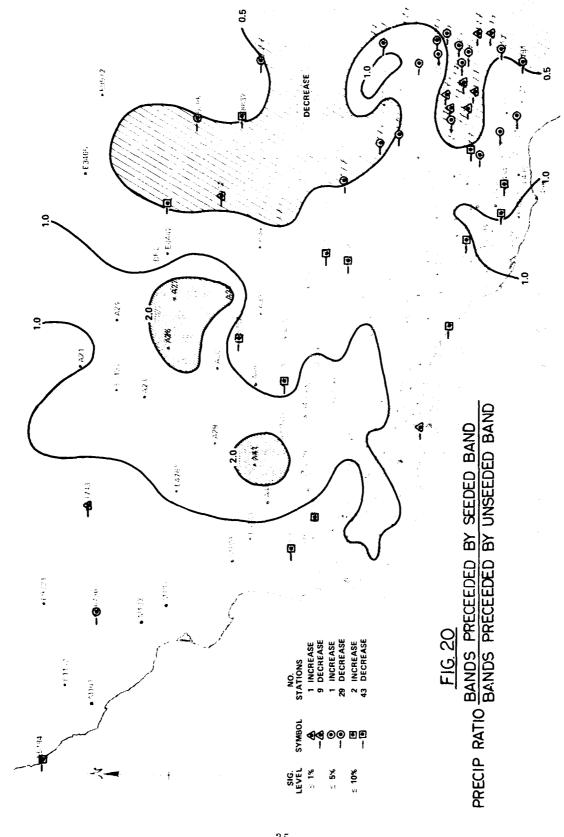
Another ratio was calculated comparing bands preceded by a seeded band and those preceded by an unseeded band, again without regard to whether the band used in the analysis was seeded or not. The results of this analysis are shown in Figure 20. In this figure we see an almost complete reversal of the pattern shown in Figure 19. The area of 100% increases in Los Angeles County



F16, 18

Possible effects outside of band. The effect on precipitation is denoted by the $+\ or\ -$ signs at cloud base. Apparent dominant effect is designated by heavy arrow .





now appears to have 50% <u>less</u> rainfall with a large number of statistically significant stations (43 at the 10% and 29 at the 5% of significance). The area that had decreases in Figure 19 now shows up to 100% increases in Figure 20, although only two stations show statistically significant increases at the 10% level.

The most reasonable explanation of the large area of reduced precipitation is by means of a mesoscale dynamic effect, such as the subsidence indicated in Figure 18. The fact that the decreases appear most prominent in the eastern edge of the base map rather than close in to the seeding source is probably due to the fact that this area represents the average movement of a band in the three hour period that is typically observed between successive bands. To prevent inadvertent bias in the data, the first and last bands of a storm period were omitted from the sample in both Figure 19 and 20. Otherwise, the first band would always be considered as following an unseeded band and the last band would always be counted as preceding an unseeded band.

Between band precipitation is relatively minor and it is difficult therefore to analyze it. Fourteen widely dispersed station records showed little effect with respect to seeding in the preceding or following band, although there was a tendency for higher ranked precipitation in western Santa Barbara County when the preceding band was seeded. This suggests that some low level flow of nucleant may have occurred from the back side of seeded bands into the between band region producing some positive seeding effects there.

Figure 21 is a time versus downwind distance diagram which illustrates diagramatically the apparent band interactions discussed above. In order for the artificial anvil to spread sufficiently fast to seed the downwind band in Ventura and Los Angeles Counties, the speed of the anvil spread relative to the band must be 40-50 mph. This speed is certainly possible in many cases. However, in order to account for the effect along the southernmost fringe of the downwind area, it becomes necessary to invoke a lateral spreading of the freely drifting ice particles because the higher level winds bearing them, although much more westerly than the mean flow within which the convection itself is embedded, never had an angle sufficiently large to account for drift to this fringe. If such a lateral spread does occur, and observations of anvils indicate such is quite common, then this effect, acting on the forward

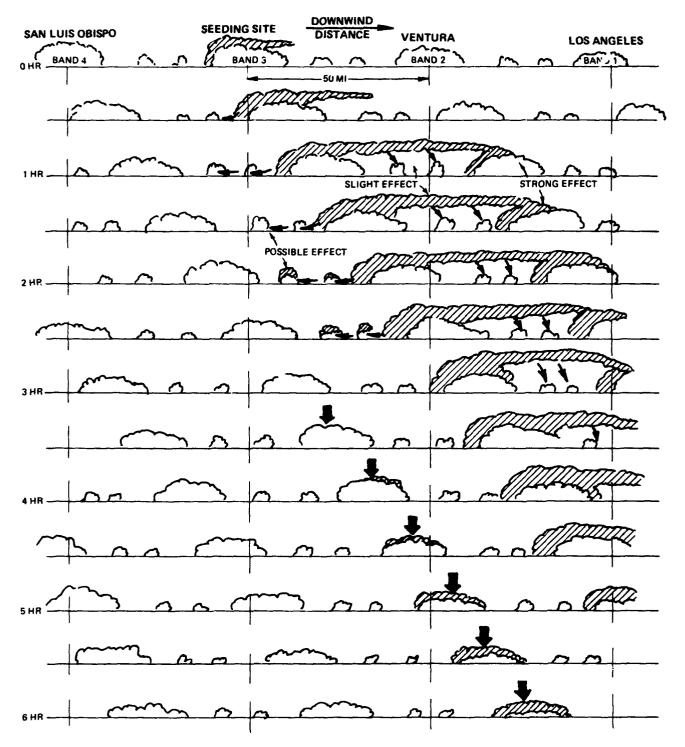


FIG. 21
BAND INTERACTION SUMMARY

portion of a seeded band and issuing from the seeding-enhanced after portion of the band, could account for the main observed downwind effect of band seeding in this southern fringe area.

Seeding Effects on Surface Pressure

The extra heat of condensation produced by the additional precipitation resulting from seeding is sizeable. If we assume this were distributed in the lowest 500 mb of the convection band (essentially below cloud top), then an additional millimeter (.04 inches) of precipitation, a likely figure in a band, would result in a 0.5°C heating effect. If both the added precipitation and added temperature is assumed to be distributed across the band only, then this might be reflected hydrostatically in a 1.8 mb drop in ground level pressure. Compensatory mesoscale redistribution of the air mass would probably preclude the appearance of the full effect at ground level, however, even a fraction of this value would result in an increase in the low level horizontal convergence of air, and of water, into the convection band.

The storm barograms for the Navy station at Pt. Mugu, and for the NWS stations at Sandberg, Santa Barbara, and Bakersfield, were examined and mean band station pressures for all cases, seeded or not seeded, extracted. Since there is a large diurnal pressure variation, the data were stratified into eight time intervals around the local time clock. The results of this analysis are shown in Table 4 which gives the seed-not seeded precipitation ratios and pressure differences for the same bands.

It is apparent that some rather interesting pressure deficits for seeded cases appear in the hours between 0100 and 1300, but at other times, differences are not significant. Curiously, the precipitation ratios are most significant in nearly the same time interval. Since the diurnal changes in pressure and in precipitation run parallel at all four stations, four station averages were calculated and are shown plotted in Figure 22. These curves illustrate the strength of an apparent seeding effect in both pressure and precipitation between the hours of 0100 and 1300 PST. There is little to choose between seeded and not seeded curves from 1300 to 0100 PST. In the not seeded cases the familiar bidiurnal pressure wave is present and there is a precipitation peak in the evening and early morning hours.

Table 4. Seeded to not seeded station pressure difference, precipitation ratios, and probabilities by time category.

| | Time Interval (hours) | | | | | | | | | | |
|-----------------|-----------------------|--------|------------|--------------------|---------------------|-----------|-------|-----------------|--|--|--|
| | 01-04 | 04-07 | 07-10 | 10-13 | 13-16 | 16-19 | 19-22 | 22-01 | | | |
| POINT MUGU NAS | (NTD) | Pı | recip from | n g a ge Vl | 68 (Oxnar | d Airport |) | | | | |
| *Press. Dif- | | - | | | | | | | | | |
| ference (mb) | 2.35 | -7.49 | -3.30 | -2.10 | 0.96 | 0.50 | -1.40 | -0.25 | | | |
| **Probability | .286 | .009 | . 184 | .258 | 130 | 378 | .285 | > .10 | | | |
| °Precip Ratio | 0.28 | 1.52 | 3.91 | 13.85 | | 6.19 | 0.32 | 3.47 | | | |
| °°Probability | .426 | . 343 | .016 | .046 | > .10 | .292 | 124 | .010 | | | |
| | | | | | | | | | | | |
| SANDBERG (SDB) | | P | recip from | n g a ge E7 | 735 (S a nd) | berg WB) | | | | | |
| *Press. Dif- | | | | | | | | | | | |
| ference (in) | 013 | 150 | 089 | 085 | .090 | 017 | 036 | .050 | | | |
| **Probability | .451. | .069 | .267 | .305 | 120 | .387 | 363 | > .10 | | | |
| °Precip Ratio | 1.20 | 1.98 | 2.41 | 4.06 | 1.20 | 0.80 | 1.89 | 0.22 | | | |
| °°Probability | 354 | .248 | .540 | .018 | .100 | 250 | .418 | > .10 | | | |
| | | | | | | | | | | | |
| SANTA BARBARA A | IRPORT (SI | BA) Pr | cecip from | n g a ge_NB | (NAWC of | fice) | | | | | |
| *Press. Dif- | | | | | | | | | | | |
| ference (in) | 023 | 186 | 1.17 | .083 | 077 | .094 | .052 | .014 | | | |
| **Frobability | .533 | .011 | .089 | 092 | .111 | .177 | .184 | > .10 | | | |
| °Precip Ratio | 1.87 | 1.77 | 4.90 | 2.43 | 3.20 | 0.19 | 0.41 | 1.62 | | | |
| °°Probability | .500 | .527 | . 144 | .015 | .177 | 064 | 341 | .088 | | | |
| | | | | | | | | | | | |
| BAKERSFIELD (BF | L) | Pı | cecip from | gage E44 | 42 (Bakers | sfield WB |) | | | | |
| *Press. Dif- | | | | | | | | | | | |
| ference (in) | 093 | 104 | 053 | 009 | 025 | .029 | .045 | 007 | | | |
| **Probability | .141 | .141 | .314 | .571 | .500 | > .10 | > .10 | .172 | | | |
| °Precip Ratio | 1.24 | 0.77 | 1.70 | œ | 2.00 | 2.10 | 0.59 | 1.95 | | | |
| °°Probability | .426 | .500 | .473 | .214 | .402 | > .10 | > .10 | .245 | | | |

^{*} Pressure Difference, pressure in seeded bands minus not seeded.

^{**} Pressure Probability, positive indicates not seeded pressure greater than seeded.

[°] Precipitation Ratio, seeded to not seeded.

Precipitation Probability, positive indicates seeded precipitation greater than not seeded.

Probabilities less than .05 are underlined.

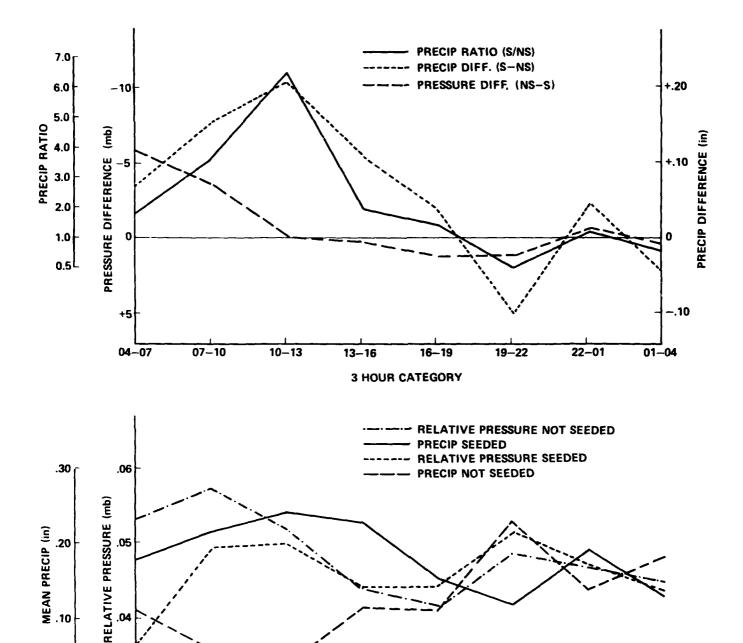


FIG. 22

13-16

16-19

19-22

22-01

01-04

Diurnal Variations in Seeded and Not Seeded Precipitation and Surface Pressure

.03 ___

07-10

10-13

٥L

This analysis suggests rather strongly that there exists a diurnal variation in the effect of seeding on precipitation over the extended area. The case for a similar diurnal variation in the effect of seeding on station pressure is not so clear cut, but there is a suggestion of its presence.

The occurrence of any diurnal effect of seeding not related directly to the daylight-nighttime breakdown is indeed puzzling. A partition of all 108 stations into daylight (0600-1800) and nighttime (1800-0600) showed no difference in precipitation ratio. Somewhat similar diurnal effects of seeding on precipitation have been in New Mexico (Keyes 1971).

CONCLUSIONS AND RECOMMENDATIONS

The data gathered during four years of seeding convective bands with pyrotechnics at a ground based point source in Santa Barbara County has provided rather conclusive statistical evidence that this seeding has altered the precipitation patterns over a very large area. These changes within the seeded bands are generally in the form of increases in precipitation on the order of 50% to 100% in the primary seeding zone extending from the seeding site to about 30 miles downwind, and increases of more than 100% over a large area 70 or more miles downwind from the seeding source. A non-parametric rank test and a binomial test produce a high level of confidence in the indicated results.

It was also found that the seeding effect was highly temperature dependent with a large number of stations showing decreases in precipitation during the colder storms.

One of the more conclusive findings from a statistical viewpoint is the apparent increase in the time duration of a seeded band at a given point. Whether this increased duration is caused by a widening of the band due to dynamic growth or a slowing of band movement has not been completely determined, but the former appears to be the case.

The possibility of interaction between successive bands and also between a band and its surrounding environment was also studied. There appears to be some evidence that when a band is seeded there will also be an increase in the precipitation in a band preceding it by two to four hours. Conversely, it appears that a seeded band may possibly suppress the rainfall in a band that follows it by two to four hours.

A preliminary study of surface pressure values at the time of band passage through the extended area shows some very interesting possibilities. It

appears that a seeded band may produce a lower surface pressure as it moves through the area, especially if band passage occurs during the morning hours of 0100 to 1300 PST. A check of the diurnal change in seeding effects on band precipitation shows the major seeding produced increases in rainfall also occur during this same general time period.

The physical mechanisms which are occurring as a result of convective band seeding can only be inferred on the basis of rainfall statistics since supporting cloud physics measurements are almost nonexistent. It does appear, however, that we are dealing with a complex seeding response in which both micro-physical and dynamic processes are involved. The fact that the ARI Area of Effect Model does a good job of predicting the location of the primary seeding effect and a sizeable portion of the extended area of effect indicates the microphysical process may be the dominant factor in these regions. However, the existence of a highly significant area of enhanced precipitation in the extended area well to the right of the wind flow at any level within the cloud mass suggests that a dynamic change in band structure might be occurring.

The interaction between bands also appears to have both microphysical and dynamic effects operating. The effect on a preceding band seems most likely to be due to cirrus seeding while the effect on a following band would more likely be due to a subsiding motion in the air mass to counterbalance the increased updraft in the seeded band.

The possible changes in surface pressure when a seeded band passes a station probably is due to the release of heat within the cloud from condensation and/or sublimation. A seeding produced cloud top rise is also most likely involved.

All of the findings cited in this report suggest possibilities of major advances in our understanding and utilizing mesoscale or even synoptic scale storm modification. To date, however, we have only been able to use statistical means to detect these effects and infer the causes thereof. What is urgently needed is an intensive cloud physics investigation to enable us to measure the large scale changes that take place under this seeding mode. We recommend strongly that every effort be expended to start such a program as soon as practicable.

The joint Santa Barbara Project and Large Scale Effects Study is planned to continue for at least two or three years, but with a changed operating

procedure. The seeding mode will be changed from point source, ground based seeding to line source, aerial seeding. The seeding device will be changed from pyrotechnics to an acetone-silver iodide-ammonium iodide jet burner developed at China Lake.

The project design will be changed from randomizing on individual bands to randomizing on 48 hour time blocks. With the new system, all convective bands within a predetermined 48 hour period will either be seeded or not seeded based on one decision. This change will do two things. First, it will enable us to treat all the convective bands within a given storm in the same manner and therefore be able to detect frontal scale changes that may occur when all bands in the frontal zone are treated. Secondly, the 48-hour randomization will enable us to test the effect of seeding on one additional parameter - total storm precipitation, including in band and between band effects.

The Santa Barbara Project will have available improved radar coverage with a M-33 and TPS-1D radars which will enable us to detect changes in echo characteristics, cell movement and cloud tops. The addition of a mini-lab on board the seeding aircraft will provide in cloud measurements in the upwind area and immediately after seeding in the primary area.

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APPENDIX A

PRECIPITATION GAGE LOCATIONS

AEROMETRIC RESEARCH INC. PRECIP GAGES

| Guge No. | Name of Station | Lat. | Long | Approx. |
|-------------|------------------------------------|-----------------|--------------------------|---------------|
| NO. | Name of Station | Lat. | Long. | Elev. |
| A21 | Kern National Wildlife Refuge | 35°45† | 119°35' | 250 |
| A23 | Belridge | 35°30† | 119 °4 3' | 700 |
| A24 | Wasco 2W | 35°37 ' | 119°22' | 330 |
| A26 | Buttonwillow | 35°25† | 119°30' | 265 |
| A27 | Bakersfield 10W | 35°241 | 119°15' | 350 |
| A29 | Soda Lake | 35°15' | 119°56' | 1900 |
| A30 | Derby Acres | 35 °14 ′ | 119°35' | 1300 |
| A31 | Buena Vista Lake | 35 °11′ | 119 °17' | 350 |
| A32 | Arvin | 35°13′ | 118°48' | 445 |
| A33 | Maricopa 3E | 35°04′ | 119 °2 0' | 600 |
| A34 | Lakeview 4E | 35°04′ | 119°01' | 500 |
| A35 | Reyes Station | 3 4° 59′ | 119°27' | 2 950 |
| A36 | Wheeler Ridge | 35°00' | 118°55' | 960 |
| A37 | Lake of the Woods 3WSW | 34°49 ' | 119°04' | 6 2 00 |
| A38 | Gorman | 3 4°48 ' | 118°51' | 3810 |
| A41 | New Cuyama 22 WNW, Rinconada Ranch | 35°05† | 120°03' | 1950 |
| A42 | Los Alamos 9.5 WNW, Barca Ranch | 34°46' | 120°26' | 310 |
| A44 | Buckhorn Canyon, Adams Ranch | 35°01' | 120°12' | 1000 |
| A45 | McPherson Peak | 3 4° 53′ | 119 ° 49 <i>'</i> | 5747 |
| A46 | Taft 16WSW, Traver Ranch | 35°06′ | 119°44' | 2700 |
| A47 | Mt. Abel | 3 4°51 ' | 119°13' | 6000 |

APPENDIX A (CONT'D)

NORTH AMERICAN WEATHER CONSULTANTS PRECIP GAGES

| Gage No. | Name of Station | Lat. | Long. | Approx. Elev. |
|----------------------|--|----------------------------|-------------------------------|---------------------|
| N A N B | Santa Ynez Pk, 2WNW, El Capitan Lodge Goleta 0.5W, No. Am. Weather Consultants | 34°32′ 34°26′ | 120°01' 119°50' | 3500 10 |
| *N 1 *N 2 | Casmalia Lompoc 2S, San Miguelito Canyon | 34°50' 34°37' | 120°32' 120°28' | 300 3 2 0 |
| *N 3 | Los Alamos Fire Station | 34°45' | 120°17' | 580 |
| *N 4 N 5 | Buellton 1 SSW Los Olivos | 34°36' 34°39' | 120°12' 120°07' | 340 780 |
| *N 6 | Los Olivos 7 NNE, Midland School | 34°44† | 120°05' | 1230 |
| N 7 N 8 | Los Olivos 4 SE, Bar G.O. Ranch | 34°40' 34°53' | 120°02' 119°42' | 450 |
| N 6 | New Cuyama 4.5 S, Johnston Ranch Santa Ynez 2 SE, Stepping "C" Ranch | 34°05' | 119 42 120°03' | 2 900 650 |
| N10 | Happy Canyon Rd., Running Springs Ranch | 34°39' | 119°57' | 1110 |
| N11 N12 | Cachuma Saddle Guard Station Santa Barbara Potrero | 34°44' 34°47' | 119°55' 119°39' | 3040 5000 |
| N13 | Broadcast Peak, KEYT | 34°32′ | 119°57' | 4000 |
| N14 *N15 | Santa Cruz Creek Cachuma Dam 7.5 ESE, Nash-Boulden Ranch | 34°38' 34°33' | 119°52' 119°52' | 1140 925 |
| N16 | Los Prietos R.S. | 34°33' | 119°47' | 1029 |
| N17 *N18 | Little Pine Mtn., Happy Hollow G.S. Gaviota-Getty Oil Co. | 34°36′ 34°29′ | 119°45' 120°12' | 3880 175 |
| N19 | Lompoc 6.5E, Casper Ranch | 34°37' | 120°20' | 220 |
| N20 | Sisquoc 9.5E, Goodchild Ranch | 34°53' 34°39' | 120°08' 120°36' | 860 |
| N21 | Surf 4S, Vandenberg AFB | 34 39 | 120 36 | 220 |
| | MISCELLANEOUS PRECIP GAGE | <u>s</u> | | |
| M100 M101 M102 | Bulito Canyon, Hollister Ranch San Simeon, Hearst Castle State Mon. Atascadero 5SW, Upper Toro Creek | 34°28' 35°41' 35°28' | 120°21' 121°10' 120°46' | 130 1450 1400 |
| M103 M104 | Santa Margarita Booster Station Lopez Lake Dam Site | 35°22' 35°11' | 120°38' 120°29' | 1050 540 |
| ML24 M225 | Bouquet Canyon Santa Barbara, Sewage Treatment Plant | 34°35' 34°25' | 118°22' 119°41' | 3050 5 |
| M226 | Goleta 7W, Dos Pueblos Ranch | 34°27' | 119°57' | 110 |
| M228 M230 | Riviera Fire Station Gibralter Dam | 34°27' 34°31' | 119°41' 119°41' | 860 1550 |

APPENDIX A (CONT'D)

ESSA PRECIP GAGES

| Gage No. | Name of Station | Lat. | Long. | Approx. Elev. |
|----------------|---------------------------------|-----------------|-----------------|------------------|
| E0442 | Bakersfield WBAP | 34°25' | 119°03' | 475 |
| E1142 | Bryson | 35°48' | 121°05' | 9 2 5 |
| E1253 | Cachuma Dam | 34°35' | 119°59' | 781 |
| E1682 | Chatsworth Reservoir | 34°14' | 118°37; | 906 |
| E1743 | Cholame Alley Ranch | 35°43† | 120°15' | 1753 |
| E3465 | Glenville Fulton Ranger Station | 35°44′ | 118°40' | 3500 |
| E3751 | Hansen Dam | 3 4°1 6' | 118°24' | 1100 |
| E4144 | Huasna | 35°06† | 120°23' | 715 |
| E4767 | La Panza Ranch | 35°23† | 120°10' | 1550 |
| E4867 | Lechuza Pt. Sta. FC352B | 34°05′ | 118°53' | 1600 |
| E5098 | Loraine | 35°18' | 118°26' | 2720 |
| E5151 | Lost Hills | 35°37 ' | 119 °41' | 285 |
| E5184 | Lucia Willow Springs | 35°53† | 121°27' | 355 |
| E5750 | Mojave | 35°03† | 118°10' | 2735 |
| E6006 | Mt. Wilson FC338B | 34°14′ | 118°04' | 5709 |
| E6624 | Palmdale | 35°351 | 118°06' | 2596 |
| E6736 | Paso Robles 5NW | 35°41' | 120°45' | 1040 |
| E7735 | Sandberg Weather Bureau | 34°45′ | 118°44' | 4517 |
| E7946 | Santa Maria WBAP | 34°54' | 120°27' | 236 |
| E8697 | Surf 2ENE | 34°41' | 120°34' | 110 |
| E8752 | Taft | 35°09' | 119°28' | 1025 |
| E8832 | Tehachapi Airport | 35°08' | 118°26' | 3960 |
| E9049 | Tujunga Mill Creek FC470 | 34°23† | 118°05' | 4645 |
| E9221 | Valleton | 35°53′ | 120°42† | 957 |
| E9 2 83 | Ventucopa Ranger Station | 3 4° 51' | 119°29' | 2749 |
| E9458 | Wasioja-Phoenix Ranch | 34°59† | 119°54' | 2370 |
| E9512 | Weldon 1WSW | 35°40† | 118°18' | 2680 |

APPENDIX A (CONT'D)

L. A. COUNTY FLOOD CONTROL PRECIP GAGES

| Gage No. | Name of Station | Lat. | Long. | Approx. Elev. |
|--------------|--|------------------|--------------------|--------------------|
| I, 6 L 10 | Topanga Canyon Patrol Station Bel Air Hotel | 34°05' 34°05' | 118°36' 118°27' | 74 5 585 |
| L 11 | Upper Franklin Canyon Reservoir | 34°07' | 118°25' | 363 867 |
| L 33 | Pacoima Dam | 34°20' | 118°24' | 1500 |
| L 46 | Big Tujunga Dam | 34°18' | 118°11' | 2315 |
| L 52 | Waterman Guard Station | 34°16' | 118°09' | 3300 |
| L 53 | Colby's | 34°18' | 118°07' | 3620 |
| L 54 | Loomis Range - Alder Creek | 34°21' | 118°03' | 4325 |
| L128 | Elizabeth Lake Canyon-Warm Springs | 34°36' | 118°34' | 2075 |
| L179 | Bailey Debris Dam | 34°10' | 118°04' | 1180 |
| L191 | Los Angeles - Alcazar | 34°04¹ | 118°12' | 400 |
| L213 | Los Angeles - Hancock Park | 3 4° 04† | 118°21' | 175 |
| L250 | Acton Camp | 34°27¹ | 118°12' | 2625 |
| L259 | Chatsworth - Twin Lakes | 34°17' | 118°36' | 1275 |
| L292 | Encino Reservoir | 34°09′ | 118°31' | 1075 |
| L303 | Pasadena - Cal Tech | 34°08′ | 118°07' | 800 |
| L372 | San Francisquito PH No. 2 | 34°32′ | 118°31' | 1580 |
| L434 | Malibu Division Headquarters | 34°08† | 118°45' | 800 |
| L435 | Monte Nido | 3 4° 05′ | 118°42' | 600 |
| L451 | Castaic - Wayside Honor Rancho | 34°28′ | 118°36' | 1065 |
| L458 | Zuma Canyon Patrol Station | 34°01' | 118°48' | 115 |
| L46 6 | Pacoima Canyon - Dutch Louie Canyon | 34°21' | 118°21' | 3220 |
| L694 | Big Tujunga Canyon | 34°17' | 118°17' | 1525 |
| L1017 | Little Rock Creek above Dam | 34°29 ' | 118°01' | 32 80 |
| L1074 | Little Gleason | 34°23' | 118°09' | 5600 |
| L1107 | La Tuna Canyon | 34°14′ | 118°20' | 1160 |
| L1108 | Leona Valley | 34°35′ | 118°12' | 2875 |
| L1181 | Schoolhouse Canyon | 3 4° 20′ | 118°27' | 1495 |

APPENDIX A (CONT'D)

VENTURA COUNTY FLOOD CONTROL PRECIP GAGES

| Gage | | | | Approx. |
|---------------|------------------------------|-----------------|------------------|-------------|
| No. | Name of Station | Lat. | Long. | Elev. |
| V 05 | On the Town | 0.49001 | 7700741 | 33.00 |
| V 85 | Canada Larga | 34°23 ' | 119°14' | 1100 |
| V121 | Lake Sherwood | 34°09' | 118°54' | 1010 |
| V138 | Potrero Seco Guard Station | 34°38' | 119°26' | 4850 |
| V165 | Stewart Canyon | 34°28' | 119°15' | 1500 |
| V166 | Lake Casitas 1N, Selby Ranch | 34°25' | 119°21' | 7 50 |
| V 167 | Hall Canyon | 34°17' | 119°16' | 300 |
| V168 | Oxnard Airport | 34°12' | 119°12' | 35 |
| V169 | Thousand Oaks | 34°10' | 118° 5 0' | 900 |
| V17 0 | Camulos | 34°24' | 118°45' | 720 |
| V171 | Fillmore Fish Hatchery | 34°24' | 118°53' | 450 |
| V172 | Piru Canyon | 34°31' | 118°46' | 1150 |
| V17 3 | Ferndale Ranch | 34 °2 6' | 119°05' | 1000 |
| V1 74 | Ozena Ranger Station | 34°41' | 119 °21 ' | 3580 |
| V1 75 | Saticoy Forest Service | 3 4°17' | 119 ° 09' | 150 |
| V188 | Newberry Park | 34°11' | 118°56' | 635 |
| V1 89 | Somis WNW | 34°17' | 119°04' | 455 |
| V1 90 | Somis | 3 4°17 ' | 119°00' | 550 |
| *V1 91 | Moorpark, 3NNW | 34°19' | 118°53' | 600 |
| V192 | Moorpark, 3SE | 34°15' | 118°51' | 550 |
| V193 | Simi | 34°16' | 118°45' | 850 |
| V194 | Camarillo | 34°12' | 119°01' | 120 |
| V196 | Tapo Canyon | 34°20' | 118°42' | 1500 |
| V198 | Piedra Blanca | 34°34' | 119°10' | 3460 |
| V206 | Balcom Canyon | 34°19' | 118°58' | 600 |
| V207 | Matillija | 34°30† | 119°23' | 1640 |
| V209 | Lockwood | 34°44' | 119°06' | 5150 |
| V221 | Seacliff | 34°21' | 119°25' | 10 |
| V224 | Sespi - Shell Oil | 34°29 ' | 118°53' | 2300 |
| V225 | Wheeler Canyon | 34°23' | 119°09' | 700 |
| V227 | Conejo Pump Station | 34°15' | 118°50' | 1030 |
| V232 | Deals Flats | 34°05' | 118°58' | 1300 |
| 1202 | DCGIG TIGGS | 04 00 | TTO 00 | 1000 |

APPENDIX A (CONT'D)

SANTA BARBARA COUNTY FLOOD CONTROL PRECIP GAGES

| | | | | • |
|---------------|------------------------------------|-------------------------|------------------|--------------|
| Gage | | | | Approx. |
| No. | Name of Station | Lat. | Long. | Ēlev. |
| | | | _ | |
| S201 | Los Alamos 5NW, Los Flores Ranch | 34°47' | 120°20' | 640 |
| S202 | Los Alamos 4.5E, Confaglia Ranch | 34°44' | 120°14' | 72 0 |
| S203 | Las Alamos 5.5W, Luis Ranch | 34°44' | 120°22' | 1000 |
| S204 | Los Alamos Fire Station | 34°45' | 120°17' | 565 |
| S205 | Lompoc Fire Station | 34°41' | 120°27' | 300 |
| S 2 05 | Gaviota Beach Ranger Station | 34°28† | 120°14' | 30 |
| S238 | Carpinteria Fire Station | 34°24† | 119°31' | 10 |
| S209 | Carpinteria Reservoir | 34°24 † | 119 °2 9' | 400 |
| S 21 0 | Cold Springs Debris Basin | 34°27' | 119°39' | 550 |
| S 211 | County Road Dept. Materials Lab. | 34°27† | 119°47' | 400 |
| S212 | San Marcos Summit | 34°31' | 119°49' | 2500 |
| S215 | Lompoc Airport | 34°39† | 120°28' | 95 |
| S217 | Jalama Beach | 34°30′ | 120°29′ | 20 |
| S221 | New Cuyama 1NNE, Cuyama Ranch | 34°59′ | 119 °4 0' | 217 0 |
| S231 | Doulton Tunnel | 34°27' | 119°34' | 1400 |
| S232 | Juncal Dam | 3 4°2 9 ' | 119°30' | 2075 |
| S233 | Buellton Fire Station | 34°37' | 120°12' | 375 |
| S234 | Santa Barbara Cty. Flood Control | 34°25† | 119 °42' | 80 |
| S235 | Santa Maria Road Yard | 34°57' | 120°27' | 2 00 |
| S236 | Nojoqui Park Ranger Station | 34°32† | 120°11' | 660 |
| S 2 38 | Santa Barbara Potrero | 3 4°47 ' | 119°39' | 5000 |
| S241 | Goleta 2N, Stubchaer Residence | 3 4°27 ′ | 119°53' | 1.90 |
| S242 | San Marcos Trout Club | 34°29' | 119°48' | 1000 |
| S 24 9 | Manzanita Mountain | 34°54† | 120°04′ | 3125 |
| S251 | Lompoc 2.5S, Miguelito Springs | 3 4° 35 ' | 12 0° 30' | 112 0 |
| S255 | La Cumbre Peak 1E, Graham Ranch | 34°30' | 119°41' | 3500 |
| S 25 6 | Sisquoc Fire Station | 34°52′ | 120°17' | 440 |
| S257 | Las Cruces 7WNW, Rancho San Julian | 34°32' | 120°20' | 640 |

APPENDIX B

1967-68 BAND CHRONOLOGY

| n J | | | sage at ing Site | N C | 700 mb Wind | 500 mb | |
|-------------|---------|-------|---------------------|------------------|------------------|-------------------|--|
| Band No. | Date | Begin | End(PST) | No. of Fusees | Dir/Speed kts | 500 mb Temp °C | |
| 1 | 1/27/68 | 0930 | 0945 | * | 230/33 | -26.2 | |
| 2 | 1/27/68 | 1030 | 1130 | * | 2 30/33 | -26.8 | |
| 3 | 1/27/68 | 1145 | 1210 | * | 2 30/35 | -27.0 | |
| 4 | 1/27/68 | 1315 | 1430 | 2 | 230/35 | -28.2 | |
| 5 | 1/30/68 | 2000 | 2230 | 4 | 240/35 | -20.7 | |
| 6 | 1/31/68 | 0155 | 0230 | * | 2 60/35 | -20.0 | |
| 7 | 2/12/68 | 1900 | 2000 | 4 | 170/15 | -23.0 | |
| 8 | 2/16/68 | 1600 | 1625 | 2 | 230/24 | -18.3 | |
| 9 | 2/16/68 | 1700 | 1820 | * | 230/30 | -18.1 | |
| 10 | 2/16/68 | 1910 | 1930 | * | 260/25 | -16.0 | |
| 11 | 2/16/68 | 2300 | 0030 | * | 260/25 | -15.0 | |
| 12 | 2/17/68 | 0430 | 0600 | * | 270/26 | -14.3 | |
| 13 | 2/17/68 | 0715 | 0800 | * | 270/25 | -16.6 | |
| 14 | 2/17/68 | 1045 | 1200 | 5 | 280/25 | -16.2 | |
| 15 | 3/7/68 | 2120 | 2315 | 6 | 240/31 | -22.3 | |
| 16 | 3/8/68 | 0230 | 0300 | 3 | 240/32 | -24.5 | |
| 17 | 3/13/68 | 0230 | 0600 | 9 | 220/28 | -21.0 | |
| 18 | 3/16/68 | 1330 | 1430 | * | 2 50/39 | -20.8 | |
| 19 | 4/1/68 | 1200 | 14 00 | 6 | 24 5/30 | -23.2 | |
| 20 | 4/1/68 | 1500 | 1530 | 2 | 260/29 | -27.1 | |
| 21 | 4/1/68 | 1900 | 1945 | 1 | 270/30 | -26.2 | |
| 22 | 4/1/68 | 2215 | 2315 | * | 270/32 | -26.2 | |

^{*} Not seeded.

APPENDIX B

1968-69 BAND CHRONOLOGY

| Band | Band | | sage at ing Site | No. of | 700 mb Wind Dir/Speed | 500 mb Temp °C |
|------|----------|--------------|---------------------|------------|--------------------------|-------------------|
| No. | Date | Begin | End(PST) | Fusees | kts | |
| 1 | 11/14/68 | 2150 | 2325 | * | 285/42 | -14.3 |
| 2 | 11/14/68 | 2350 | 0040 | * | 275/57 | -15.8 |
| 3 | 11/15/68 | 0100 | 0130 | 3 | Westerly | -19.8 |
| 4 | 11/15/68 | 0350 | 0430 | * | 275/44 | -19.8 |
| 5 | 12/10/68 | 1805 | 1840 | 2 | 260/45 | -15.5 |
| ťi | 12/10/68 | 1930 | 2035 | 4 | 240/36 | -18.0 |
| 7 | 12/14/68 | 0555 | 0700 | * | 220/54 | -15.0 |
| 8 | 12/15/68 | 2145 | 2355 | 10 | 225/24 | -2 0.3 |
| 9 | 12/24/68 | 1745 | 1820 | * | 240/46 | -18.1 |
| 10 | 12/24/68 | 1915 | 1950 | * | 240/39 | -16.8 |
| 11 | 1/13/69 | 1125 | 1245 | 4 | 210/35 | -15.0 |
| 12 | 1/13/69 | 1645 | 1945 | * | 215/23 | -14.7 |
| 13 | 1/13/69 | 2030 | 2215 | 6 | 275/20 | -16.8 |
| 14 | 1/13/69 | 2345 | 0130 | 4 : | 260/12 | -18.5 |
| 15 | 1/18/69 | 1935 | 2110 | * | 230/41 | -17.0 |
| 16 | 1/19/69 | 0440 | 0640 | 10 | 240/39 | -16. 9 |
| 17 | 1/19/69 | 0935 | 1230 | 11 | 215/48 | -16.7 |
| 18 | 1/19/69 | 1430 | 1600 | 5 | 222/45 | -17.5 |
| 19 | 1/19/69 | 1630 | 1710 | * | 225/45 | -17.8 |
| 20 | 1/19/69 | 1730 | 1930 | * | 240/33 | -19.0 |
| 21 | 1/20/69 | 2030 | 2140 | * | 200/52 | -16.7 |
| 22 | 1/20/69 | 2330 | 0150 | 9 | 210/62 | -14.5 |
| 23 | 1/20/69 | 0250 | 0.130 | 5 | 215/54 | -20.2 |
| 24 | 1/24/69 | 0515 | 0615 | 3 | 245/37 | -20.1 |
| 25 | 1/24/69 | 1040 | 1140 | * | 24 0/37 | -18.0 |
| 26 | 1/24/69 | 1210 | 1350 | 7 | 235/37 | -18.1 |
| 27 | 1/24/69 | 1430 | 1610 | * | 235/35 | -15.6 |
| 28 | 2/12/69 | 0035 | 0200 | 5 | 203/13 | -20.0 |
| 29 | 2/15/69 | 0420 | 0520 | * | 235/39 | -17.7 |
| 30 | 2/15/69 | 0600 | 0920 | 13 | 220/43 | -20.3 |
| 31 | 2/17/69 | 2215 | 0100 | * | 235/15 | -24.7 |
| 32 | 2/21/69 | 1715 | 2015 | * | 235/37 | -32.0 |
| 33 | 2/23/69 | 0415 | 0545 | * | 240/44 | -24.5 |
| 34 | 2/23/69 | 0600 | 0950 | 13 | 220/44 | -23.8 |
| 35 | 2/24/69 | 1 330 | 1500 | * | Southerly | -19.1 |
| 36 | 2/24/69 | 1525 | 1600 | 2 | 215/55 | -14.0 |
| 3.7 | 2/24/69 | 1630 | 1815 | * | 220/51 | -21.3 |
| 38 | 2/24/69 | 0015 | 0130 | 5 | 230/54 | -19.0 |
| 39 | 3/21/69 | 1105 | 1210 | * | 150/21 | -19.6 |
| 40 | 4/5/69 | 1045 | 1320 | 12 | 190/44 | -19.9 |
| 41 | 4/5/69 | 1335 | 1410 | * | 195/37 | -23.1 |

^{*} Not seeded.

APPENDIX B

1969-70 BAND CHRONOLOGY

| Band | | | sage at ing Site | | 700 mb Wind Dir/Speed | 500 mb |
|---------------|-----------|--------------|---------------------|--------|--------------------------|---------------|
| No. | Date | Begin | End(PST) | Fusees | kts | Temp °C |
| 1 | 11/5/69 | 2215 | 2345 | * | 238/35 | -18.3 |
| | 11/6/69 | 1030 | 124 5 | 6 | 229/24 | -20.5 |
| $\frac{2}{3}$ | 1/9/70 | 0700 | 0755 | * | 216/33 | -20.4 |
| 4 | 1/9/70 | 0845 | 0910 | 2 | 190/46 | -20.5 |
| 4 5 | 1/9/70 | 112 0 | 1255 | 7 | 190/49 | -19.0 |
| 6 | 1/9/70 | 1635 | 1735 | * | 200/42 | -19.6 |
| 7 | 1/11/70 | 1 900 | 1930 | * | 260/22 | -19.6 |
| 8 | 1/15/70 - | | | | • | |
| | 1/16/70 | 233 0 | 0130 | 8 | 270/29 | -19.0 |
| 9 | 1/16/70 | 0350 | 0515 | * | 270/41 | -12.8 |
| 10 | 1/16/70 | 0740 | 0820 | * | 260/43 | -16.5 |
| 11 | 1/16/70 | 0925 | 0950 | 3 | 260/43 | -16.5 |
| 12 | 2/9/70 | 1410 | 1520 | 4 | 162/43 | -22.2 |
| 13 | 2/13/70 | 1030 | 1115 | 4 | 265/32 | -20.2 |
| 14 | 2/27/70 - | | | | · | |
| | 2/28/70 | 2320 | 0200 | * | 155/35 | -23. 0 |
| 15 | 2/28/70 | 0530 | 0730 | 6 | 175/22 | -20.4 |
| 16 | 2/28/70 | 1030 | 1145 | 5 | 190/35 | -20.6 |
| 17 | 3/1/70 | 0030 | 0 20 5 | * | 212/30 | -24.6 |
| 18 | 3/1/70 | 0630 | 0815 | 7 | 155/23 | -27.0 |
| 19 | 3/1/70 | 1220 | 1345 | 6 | 210/22 | -26.0 |
| 20 | 3/1/70 | 1545 | 1635 | * | 225/20 | -22.8 |
| 21 | 3/1/70 | 1915 | 2100 | 7 | 250/18 | -26. 3 |
| 22 | 3/4/70 | 1300 | 1700 | 17 | 220/52 | -25.0 |

^{*} Not seeded

APPENDIX B

1970-71 BAND CHRONOLOGY

(Ground Seeded)

| Band | | | sage at ing Site | No. of | 700 mb Wind Dir/Speed | 500 mb | |
|----------------|----------|-------|---------------------|--------|--------------------------|---------|--|
| No. | Date | Begin | End(PST) | Fusees | Kts | Temp °C | |
| 1 | 11/25/70 | 1550 | 1 715 | 4 | 2 60/30 | -12.0 | |
| $\overline{2}$ | 11/26/70 | 0015 | 0115 | * | 251/40 | -13.0 | |
| 3 | 11/26/70 | 0135 | 0225 | 4 | 265/38 | -14.0 | |
| 4 | 11/28/70 | 0600 | 0730 | 4 | 230/42 | -20.0 | |
| 5 | 11/28/70 | 1430 | 1600 | * | 21 0/37 | -17.0 | |
| 6 | 11/29/70 | 0155 | 0445 | 11 | 193/54 | -20.4 | |
| 7 | 11/29/70 | 0605 | 0810 | 7 | 202/56 | -20.7 | |
| 8 | 12/2/70 | 0300 | 0535 | * | 240/43 | -23.0 | |
| 9 | 12/2/70 | 0635 | 0700 | 3 | 256/49 | -23.8 | |
| 10 | 12/18/70 | 0940 | 1100 | 3 | 199/08 | -27.0 | |
| 11 | 12/18/70 | 1340 | 1805 | 9 | 197/33 | -26.7 | |
| 12 | 12/18/70 | 1815 | 2035 | * | 210/35 | -26.7 | |
| 13 | 12/18/70 | 2045 | 2200 | * | 210/35 | -26.0 | |
| 14 | 12/20/70 | 2230 | 0115 | * | 257/45 | -23.5 | |
| 15 | 12/21/70 | 0330 | 0440 | 2 | 264/34 | -28.9 | |
| 16 | 12/21/70 | 0530 | 0610 | 2 | 260/25 | -28.1 | |
| 17 | 12/21/70 | 0740 | 0840 | * | 258/33 | -27.4 | |
| 18 | 2/16/71 | 2145 | 2335 | 6 | 188/22 | -26.5 | |
| 19 | 2/17/71 | 0105 | 0215 | * | 200/13 | -26.1 | |
| 20 | 3/12/71 | 1945 | 234 5 | 11 | 258/48 | -15.4 | |
| 21 | 4/13/71 | 2320 | 0205 | 11 | 223/22 | -22.1 | |
| 22 | 4/14/71 | 0225 | 0335 | * | 223/22 | -22.1 | |

^{*} Not seeded.

1970-71 BAND CHRONOLOGY

(Aerial Seeded)

| Band | | | sage at ing Site | | 700 mb Wind Dir/Speed | 500 mb |
|------|----------|---------------|---------------------|-----------|--------------------------|---------|
| No. | Date | Begin | End(PST) | Treatment | kts | Temp °C |
| A1 | 12/16/70 | 0410 | 0505 | s | 268/43 | -16.0 |
| A2 | 12/16/70 | 0515 | 0545 | S | 268/43 | -17.9 |
| А3 | 12/16/70 | 0555 | 0700 | NS | 268/43 | -18.0 |
| A4 | 1/12/71 | 1300 | 1330 | NS | 268/41 | -22.8 |
| A5 | 1/12/71 | 1435 | 1530 | S | 2 65/33 | -24.0 |
| A6 | 4/17/71 | 0 2 30 | 0300 | NS | 260/58 | -21.5 |
| A7 | 4/17/71 | 0510 | 0600 | NS | 273/46 | -22.4 |

Sample Size (N₁-Seeded, N₂-Not Seeded)
S/NS Ratio
Probability (Wilcoxon-Mann Whitney)
(> = greater than .10) Data Summary:

| (7) | | Prob. | ^ | ۸ | ۸ | ۸ | .095 | ٨ | ٨ | ۸ | ۸ | Λ | ۸ | .092 | ۸ | ۸ | ٨ | ۸ | ۸ | ٨ | ۸ | ٨ | Λ | ٨ | Λ | .065 | ۸ | ۸ | ^ | ٨ | ^ | ٨ |
|----------------------------------|-------|----------------|------|----------|------|------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1970-71 (Fig. 7 | Ratio | S/NS | .70 | .46 | 5.19 | .33 | 6.02 | 1.75 | 3.13 | 1.73 | 8 | 4.96 | 2.55 | 3.11 | 2.40 | 1.03 | 1.67 | 1.47 | 1.27 | 1.30 | 1,24 | 1.42 | 2.26 | 3.72 | 1.15 | 1.44 | 1.05 | . 74 | 16.20 | 1.18 | .64 | 00.00 |
| 70-1 | | N ₂ | 9 | 2 | 6 | 'n | 6 | 6 | 6 | œ | က | ∞ | 6 | ഹ | 6 | 6 | ß | 6 | ό | 6 | 6 | 6 | ∞ | 6 | 6 | 6 | 6 | ∞ | 2 | 6 | 6 | 0 |
| 19 | | τ_{N} | 9 | က | 13 | S | 13 | 13 | 13 | 12 | 4 | 11 | 13 | 6 | 13 | 13 | œ | 13 | 13 | 13 | 13 | 13 | 12 | 13 | 13 | 13 | 13 | 10 | ß | 13 | 13 | 0 |
| (9) | | Prob. | .056 | .063 | ٨ | .032 | ٨ | ٨ | ٨ | .050 | ٨ | .011 | 690. | ٨ | ٨ | ۸ | ۸ | ٨ | ^ | | | | | ۸ | ٨ | ٨ | ٨ | .020 | ٨ | .100 | .081 | .042 |
| .19 <i>)</i> 1969-70 (Fig. 6) | Ratio | S/NS | 3.22 | 4.41 | 4.06 | 6.30 | 8 | 2.55 | 3.59 | 8 | 5.26 | 12.00 | 11.08 | 4.04 | 4.69 | 1.10 | 1.26 | 1.74 | 1.73 | | | | | 4.92 | 1.18 | 1.45 | 2.58 | 3.72 | 1.71 | 3.16 | 2.98 | 3.69 |
| .07 | | N ₂ | 8 | ഹ | S | ∞ | | | | | | | | | | | | | | | | | | 6 | 6 | 6 | 6 | 6 | 9 | 6 | 9 | ∞ |
| 1961 1963 | | N | 12 | 9 | 4 | 12 | က | 12 | ß | 6 | 9 | 12 | 12 | 7 | 6 | 12 | 11 | ∞ | 1 | | | | | 13 | 13 | 12 | 13 | 13 | S | 13 | ∞ | 12 |
| 5) | | Prob. | Λ | Λ | ٨ | ^ | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | | | | | | | Λ | 090* | ٨ | ٨ | ٨ | ۸ | ٨ | ٨ | Λ |
| . – E1 1968–69 (Fig. | Ratio | S/NS | .70 | . | 1,35 | 98. | 3.20 | .73 | 96. | 13,13 | .81 | • 76 | 1.14 | 1.60 | • 79 | 1.55 | 1.94 | | | | | | | .90 | 1.61 | 1.42 | 1.26 | 1.03 | 1.25 | 1.76 | 1.05 | .82 |
| 9-896 | | N2 | 20 | 1.5 | 13 | က | 2 | 16 | 17 | ß | 19 | 18 | 12 | 12 | 16 | 78 | ∞ | | | | | | 1 | 22 | 17 | 61. | 22 | 22 | 22 | 22 | 21 | 16 |
| H | | N ₁ | သ | 12 | 11 | 4 | က | 15 | 14 | 4 | 18 | 18 | 12 | 12 | 15 | 17 | 10 | | | | | | 1 | 13 | 17 | 18 | 19 | 19 | 17 | 19 | 19 | 15 |
| . . 4. | | Prob. | | | | | | | | | | | | | | | | | | | | | | ٨ | Λ | ٨ | ٨ | ٨ | ٨ | ٨ | Λ | ۸ |
| 1967-68 (Fig. | Ratio | S/NS | | | | | | | | | | | | | | | | | | | | | | 1.83 | 1.47 | 1.85 | 4.17 | 1.64 | 2.69 | 2.93 | 2.27 | 1.46 |
|)-296 | | N ₂ | | | | | | | | | | | | | | | | | | | | | | 11 | 2 | 10 | 11 | IJ | 2 | 11 | 11 | 11 |
| Ä | • | Z, | | | | | | | | | | | | | | | | | | | | | | 11 | œ | 10 | 11 | 11 | 7 | 11 | 10 | 11 |
| | Sta. | No. | A21 | A23 | A24 | A26 | A27 | A29 | A30 | A31 | A32 | A33 | A34 | A35 | A36 | A37 | A38 | A41 | A42 | A44 | A45 | A46 | A47 | E442 | E1142 | E1253 | E1682 | E1743 | E3465 | E3751 | E4144 | E4767 |

| | - | 1967-68 | 68 (Fig. | (4) | 7 | -896 | 1968-69 (Fig. | 5) | 1 | -696 | 1969-70 (Fig. | (9) | 7 | -026 | 1970-71 (Fig. | . 7) |
|-------------|-----|----------------|----------|-------|----------------|---------------|---------------|-------|----|----------|---------------|-------|----------------|----------|---------------|-------|
| Sta. | | | Ratio | | | | Ratio | | | | Ratio | | | | Ratio | |
| No. | Ϋ́, | N ₂ | s/ns | Prob. | N ₁ | $\frac{N}{2}$ | s/ns | Prob. | N1 | N2 | S/NS | Prob. | N ₁ | N_2 | S/NS | Prob. |
| E4867 | 11 | 11 | 1.78 | ^ | 19 | 22 | 1.34 | ۸ | 11 | œ | 2.68 | .025 | 12 | œ | 1.03 | ٨ |
| E5098 | 70 | ∞ | 69. | ٨ | 51 | 22 | 10.1 | Λ | 13 | 6 | 3.21 | .015 | 13 | 6 | 1.72 | ٨ |
| E5151 | 11 | T | 1.79 | ٨ | 78 | 21 | .80 | Λ | 12 | œ | 1.62 | ٨ | 13 | 6 | 1.80 | ^ |
| E5184 | 11 | I | 1.43 | ٨ | 19 | 22 | 1.34 | ٨ | 11 | 9 | 1.21 | Λ | 7 | 9 | 1.28 | ٨ |
| E5756 | ∞ | œ | 2,38 | ٨ | 19 | 21 | 1.21 | ٨ | 6 | છ | 7.83 | .050 | 20 | 9 | 00.00 | ٨ |
| E6006 | x | 7 | 3.75 | ٨ | 14 | 15 | 1.56 | ٨ | 12 | ∞ | 2.04 | 950. | σc | 4 | 2.27 | Λ |
| E6624 | œ | က | 8 | ٨ | 14 | 17 | 5.09 | ٨ | 13 | 6 | 1.21 | ٨ | 7 | 9 | 1.58 | ٨ |
| E6736 | 6 | œ | 1.96 | ٨ | 19 | 22 | 1.37 | ٨ | 12 | œ | 2.08 | 690. | 13 | 6 | 1.03 | ۸ |
| E7735 | 7 | 11 | 2.34 | ٨ | 16 | 20 | 1.90 | ٨ | 12 | 6 | 1.15 | ٨ | 11 | ∞ | .77 | ^ |
| E7946 | 11 | I | 1.89 | Λ | 19 | 22 | .73 | ٨ | 13 | 6 | 1.55 | ٨ | 13 | 6 | .73 | ٨ |
| E8697 | S | 9 | 1.02 | ٨ | 12 | 20 | 88. | ٨ | 10 | ∞ | 1.39 | ٨ | က | 2 | 1.40 | ٨ |
| E8752 | 7 | 11 | 1.89 | ٨ | 19 | 22 | 1.47 | .064 | Ħ | 7 | 8.46 | ٨ | 13 | 6 | 1.31 | ٨ |
| E8832 | ۲- | က | .58 | ٨ | 19 | 22 | .92 | ٨ | 13 | 6 | 5.32 | .015 | 6 | 'n | 3.82 | ٨ |
| E9049 | 5 | 9 | 1.41 | ٨ | 18 | 19 | 1.34 | ٨ | 13 | 6 | 2.56 | .050 | 9 | က | 1.20 | ^ |
| E9221 | 7 | S | 2.52 | ٨ | 13 | 18 | 1.19 | ٨ | 6 | 'n | 2.65 | ۸. | 6 | ∞ | 1.41 | ٨ |
| E9283 | ഹ | ૭ | 1,13 | Λ | 14 | 14 | 1.62 | ٨ | | | | | 12 | 6 | 1.44 | ٨ |
| E9458 | 9 | 9 | 8.00 | ٨ | 4 | 4 | .35 | ٨ | 12 | 6 | 1.93 | ٨ | 10 | 7 | 1.03 | ٨ |
| E9512 | 6 | 77 | 2.40 | ٨ | 19 | 22 | 1.24 | ٨ | 12 | 6 | 1.90 | ٨ | 10 | œ | 1.11 | ٨ |
| T e | 9 | 10 | 1.24 | ٨ | 14 | 16 | 1.93 | ٨ | 10 | ∞ | 4.37 | .022 | ∞ | 9 | 1.05 | ٨ |
| L1 0 | 11 | 7 | 5.73 | ٨ | 13 | 78 | 1.66 | .018 | 11 | 7 | 3.74 | ٨ | 6 | S | 96. | ٨ |
| 111 | 11 | 11 | 3.57 | .058 | 17 | 20 | 2.03 | .047 | 13 | 6 | 3.40 | .095 | 12 | ∞ | 1.01 | ^ |
| L33 | Ħ | 11 | 2.27 | .092 | 18 | 22 | 1.86 | ٨ | 13 | 6 | 1.38 | ٨ | 13 | 6 | .92 | ٨ |
| 14 6 | 1 | П | 3.40 | 960. | 19 | 22 | 1.84 | ٨ | 12 | 6 | 2.21 | .045 | II | ∞ | 1.07 | ٨ |
| L52 | 7 | 9 | 2.14 | ٨ | 18 | 20 | 1.31 | ٨ | 11 | œ | 2.32 | ٨ | | | | |
| L53 | Ħ | 11 | 2.48 | ۸ | 19 | 22 | 1.60 | ٨ | 13 | 6 | 3.62 | .030 | 13 | 6 | 1.87 | ٨ |
| L54 | 10 | ∞ | 3.80 | ٨ | 15 | 15 | 1.63 | ٨ | 12 | ∞ | 3.96 | .032 | 10 | 7 | 2.28 | ٨ |
| L128 | 11 | 11 | 2.11 | ۸ | 15 | 16 | 1.58 | ٨ | 10 | 7 | 2.44 | .081 | 11 | ∞ | 1.26 | ٨ |
| 1.179 | 11 | 11 | 3.47 | ۸ | 17 | 22 | 1.08 | ٨ | 13 | 0 | 2.93 | 060° | 12 | ∞ | .93 | ٨ |
| 1617 | IJ | 11 | 4.23 | ٨ | 18 | 19 | 1.67 | ٨ | 13 | 6 | 3.27 | .048 | 13 | 6 | 86. | ^ |
| L213 | T | 11 | 3,71 | ٨ | 18 | 22 | 1.33 | ٨ | 13 | 6 | 3.70 | 060. | 13 | 6 | 1.01 | ٨ |
| L250 | 5 | 11 | 2.44 | ۸ | 17 | 18 | 1.72 | ^ | 13 | 6 | 2.61 | ٨ | 6 | 9 | 86. | ^ |
| L259 | 11 | 11 | 3,91 | ٨ | 10 | 22 | 1.56 | ٨ | 13 | <u>ي</u> | 2.03 | .100 | 12 | œ | 1.22 | ^ |
| L292 | 11 | 11 | 2.86 | ٨ | 78 | 19 | 2.01 | ۸ | 11 | ∞ | 2.86 | ^ | 6 | 7 | .62 | ^ |

| 7 | | Prob. | ٨ | ٨ | ۸ | ۸ | | 05 | ٨ | ^ | ۸ | ^ | ٨ | ٨ | ٨ | ٨ | ۸ | ٨ | ۸ | ٨ | ٨ | ٨ | ۸ | ٨ | ۸ | ٨ | ۸ | ٨ | ۸ | ٨ | ٨ | ۸ | ٨ | ۸ | ٨ |
|------------------|-------|----------------|------|------|------|------|-------|------|------|------|-------|-------|-------|-------|-------|------|----------|------|------|----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------------|------|
| 1970-71 (Fig. | Ratio | s/sn | 1.05 | 1.24 | 80 | 1.06 | | .46 | 1.26 | 1.13 | 1.01 | 1.93 | .95 | 1.32 | 1.56 | .84 | 1.26 | 1.14 | 1.00 | • 65 | 1.16 | 1.51 | 1.65 | 1.21 | 1.46 | 1.38 | 1.74 | .74 | 06. | 1.16 | .73 | 1.22 | 1.48 | .77 | 1.17 |
| 70-7 | | N | 6 | 6 | 6 | ∞ | | 6 | 7 | 6 | œ | S | ഗ | 6 | 4 | 6 | œ | 6 | 6 | 9 | 6 | œ | 6 | 6 | ∞ | 6 | 6 | ∞ | 6 | 6 | 6 | œ | œ | s | 6 |
| 15 | | N | 13 | 13 | 12 | 11 | | 12 | 11 | 13 | 12 | ∞ | 10 | 11 | 7 | 13 | 12 | 13 | 13 | ∞ | 13 | 11 | 13 | 12 | 12 | 13 | 12 | 11 | 13 | 13 | 11 | 12 | 11 | ß | 13 |
| (9) | | Prob. | ٨ | .020 | Λ | .088 | .051 | .029 | ^ | .040 | .032 | ٨ | .016 | ٨ | ٨ | | ۸ | ^ | ٨ | ٨ | 190. | ٨ | ٨ | ^ | ٨ | ٨ | Λ | ٨ | ٨ | ٨ | ٨ | ^ | ^ | ٨ | ٨ |
| 1969-70 (Fig. | Ratio | s/ns | 2.06 | 4.72 | 2.08 | 5.03 | 8.33 | 3.40 | 1.76 | 2.70 | 8.98 | 1.76 | 3.59 | 10.50 | 1.66 | | 1,69 | 1.65 | 1.59 | 2.52 | 3.00 | 1.34 | 1.30 | 1.36 | 1.71 | 1.60 | 1.63 | 2.03 | 1.75 | .91 | 1.62 | 1.20 | 1.35 | 1.56 | 2.19 |
| 7-69 | | NS | 6 | œ | œ | œ | 9 | ∞ | 6 | œ | 7 | 6 | 6 | 9 | 6 | | വ | ∞ | 6 | 7 | ∞ | 6 | œ | 6 | 6 | 9 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 19 | | Z _L | 13 | 7 | 12 | 12 | 7 | 12 | 13 | 13 | 11 | 13 | 11 | 7 | 12 | | 7 | 12 | 13 | 10 | 12 | 12 | 6 | 13 | 13 | 6 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 11 |
| 5) | | Prob. | ٨ | ٨ | ٨ | ٨ | ۸ | 690• | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | | ٨ | | ٨ | ٨ | .036 | ٨ | ٨ | ٨ | ٨ | .059 | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | ^ |
| 1968-69 (Fig. | Ratio | s/ns | 1,60 | 1.85 | 1.28 | 1.64 | 1.17 | 1.55 | 1.53 | 1.50 | 1.92 | 1.56 | 1.33 | 1.66 | 1.65 | | 1.19 | | 7.06 | 1.11 | 2.42 | 1.22 | 1.49 | 1.36 | 1.72 | 1.87 | 1.40 | .83 | 1.22 | 96. | 1.06 | 96. | .82 | . 64 | 1.40 |
|)-89 | | 22 | 22 | 22 | 17 | 21 | 18 | 20 | 22 | 22 | 19 | 18 | 22 | 7 | 20 | | 22 | | 22 | 19 | 22 | 19 | 20 | 22 | 22 | 19 | 21 | 22 | 20 | 22 | 22 | .21 | 17 | 13 | 17 |
| 17 | | N | 19 | 19 | 16 | 15 | 17 | 18 | 18 | 19 | 16 | 15 | 19 | 11 | 15 | | 19 | | 19 | 16 | 17 | 18 | 16 | 19 | 19 | 17 | 18 | 19 | 17 | 19 | 19 | 18 | 12 | 6 | 14 |
| . 4) | | Prob. | ٨ | 960* | ٨ | ٨ | .071 | ٨ | .100 | ٨ | ٨ | ٨ | ٨ | ٨ | .043 | | ٨ | | ٨ | | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | ۸. | ٨ | ٨ | ٨ | |
| 1967-68 (Fig. 4) | Ratio | s/ns | 3.81 | 2.98 | 2.64 | 2.23 | 4.47 | 1.21 | 2.74 | 1.89 | 1.11 | 2.30 | 2.46 | 1.80 | 4.68 | | 1.01 | | 1.94 | | 2.33 | 1.50 | 1.43 | 1.60 | 1.79 | 2.30 | 1.58 | 2.14 | 1.44 | 1.43 | 1.36 | 1.66 | 1.73 | 1.71 | |
| -19 | | N_2 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 10 | 1 | 1 | 1 | 9 | 11 | | 10 | | 11 | | 11 | 10 | 11 | 11 | 11 | ૭ | 1 | 7 | 7 | 11 | 11 | 11 | 10 | 77 | |
| 4 | | z | 10 | 77 | Ħ | Ħ | 7 | 1 | 7 | ∞ | 1 | 10 | Π | ∞ | 1 | | ∞ | | 11 | | 7 | ∞ | 1 | 11 | 11 | 6 | 11 | 9 | 6 | 11 | 6 | 10 | ∞ | 11 | |
| | Sta. | No. | L303 | L372 | L434 | L435 | 1,451 | L458 | L466 | L694 | L1017 | L1074 | L1107 | L1108 | L1181 | M100 | MOI | ML02 | ML03 | M104 | ML 24 | M225 | M226 | M228 | M230 | NA | NB | N | N2 | N3 | N4 | NS | 9N | N7 | N8 |

| 7 | | Prob. | | | ۸ | ۸ | ۸ | ۸ | ^ | ^ | ۸ | ٨ | ۸ | ۸ | ۸ | ۸ | ۸ | ۸ | ^ | ۸ | ۸ | ٨ | | ٨ | ^ | ٨ | ۸ | ٨ | | ^ | ۸ | ^ | ۸ | ٨ | |
|---------------|-------|----------------|------|------|----------|------|------|------|------|------|------|------|-------------|-----|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|---------|
| 1970-71 (Fig. | Ratio | S/NS | ' | | 2.49 | 0.00 | 1.44 | 1.62 | 1.10 | 1.38 | 1,38 | 96. | 90. | .84 | 1.17 | .82 | 1.27 | 1.02 | 96. | 06. | .91 | 1.08 | | 1.09 | 1.73 | • 39 | .58 | 1.20 | | 1.19 | 1.27 | 88. | 1.07 | . 74 | • |
| 70-7 | | N ₂ | | | 2 | 0 | 6 | 6 | ∞ | 6 | 4 | œ | 6 | 6 | ഹ | 6 | 6 | 6 | 7 | ^ | , | œ | | ∞ | ∞ | 4 | 9 | 9 | | 6 | 6 | 6 | 6 | c | |
| 7 | | Z | | | 2 | 0 | 13 | 13 | 12 | 13 | 6 | 7 | 13 | 13 | 9 | 13 | 13 | 13 | 10 | 10 | 11 | 12 | | 11 | 12 | က | 9 | 7 | | 12 | 13 | 13 | 13 | | 7 |
| (9) | | Prob. | ٨ | ٨ | ٨ | ۸ | ٨ | .045 | ٨ | ٨ | ٨ | ٨ | | | | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | .100 | ٨ | ٨ | ٨ | .051 | ٨ | ٨ | Λ | Λ | Γ, | |
| 1969-70 (Fig | Ratio | S/NS | | 1.46 | • | | • | 2.37 | • | • | 1.37 | 1.19 | | | | 1.49 | 66. | .95 | .87 | 1.20 | 1.37 | .95 | .72 | 1.31 | 1.72 | • | 1.92 | 1.50 | • | 1.26 | • | • | 2.09 | 1 40 | > P • + |
| 7-696 | | N 2 | 6 | 9 | 4 | 4 | 6 | 6 | 6 | ഹ | 9 | 6 | | | | 6 | 6 | 6 | 6 | 7 | œ | 9 | 6 | 6 | ∞ | œ | 7 | 6 | 6 | ∞ | 6 | 6 | œ | С | ` |
| ij | | Z _L | 13 | 11 | 6 | 6 | 13 | 13 | 13 | 6 | 11 | 13 | | | | 13 | 13 | 13 | 13 | 12 | 12 | 11 | 13 | 13 | 13 | 12 | 12 | 13 | 13 | 12 | 13 | 13 | 11 | 7.3 | ٦ ٦ |
| 5) | | Prob. | ۸ | ٨ | ٨ | ٨ | 660. | ٨ | ٨ | .078 | ٨ | | | | | ٨ | ٨ | ٨ | ٨ | Λ | ٨ | ٨ | ٨ | ٨ | ٨ | .063 | Λ | ٨ | ^ | ٨ | ^ | ٨ | ٨ | ^ | |
| 1968-69 (Fig. | Ratio | s/ns | 1.12 | 1.24 | 1.17 | 1.44 | • | 1.21 | • | 1.82 | • | | | | | .82 | 1.07 | • 95 | 86. | .91 | 1.46 | 1.04 | 1.02 | 1.70 | 1.26 | 1.70 | 66. | 1.32 | 96. | 1.75 | 1.73 | 1.02 | 1.33 | 9 | |
|)-897 | | N_2 | 22 | 11 | 22 | 19 | 22 | 20 | 22 | 16 | 17 | | | | | 22 | 22 | 22 | 22 | 21 | 22 | 22 | 22 | 21 | 22 | 22 | 14 | 22 | 22 | 61 | 21 | 22 | 22 | 66 | 1 |
|) | | Z _L | 19 | ∞ | 19 | 18 | 19 | 17 | 19 | 14 | 16 | | | | | 19 | 13 | 19 | 19 | 17 | 19 | 19 | 19 | 19 | 19 | 19 | 13 | 19 | 19 | 16 | 18 | 13 | 19 | 0 | ` |
| (†) | | Prob. | ^ | ٨ | .088 | | ٨ | ٨ | ٨ | ٨ | ٨ | | | | | ٨ | ٨ | | ٨ | ٨ | ٨ | ٨ | ٨ | Λ | Λ | Λ | | ٨ | Λ | ٨ | ٨ | Λ | Λ | ^ | |
| (Fig | Ratio | s/ns | 8 | 1.47 | ∞ | | 2.16 | 1.49 | 2.58 | 3.38 | 1.66 | | | | | | 1.35 | | 1.31 | 1.30 | 1.38 | 1.44 | • | • | ಚ | .46 | | 1.31 | 2.53 | 1.30 | 1.57 | 1,65 | 1.65 | 716 | / 1 . 7 |
| 1967-68 | | Z Z | 11 | 9 | ∞ | | 20 | 11 | 9 | 7 | 7 | | | | | 11 | 7 | | 11 | 9 | 10 | 10 | 11 | 11 | 11 | ır. | | 7 | 11 | 11 | 11 | 11 | 11 | - | 7 |
| i l | | N _L | 11 | 7 | 10 | | 10 | 11 | 6 | œ | S | | | | | 11 | 7 | | 11 | 6 | 11 | 6 | 11 | 11 | 11 | ಬ | | 9 | 11 | 1.1 | 11 | 11 | 11 | נכ | 4 |
| | Sta. | No. | 6N | NTO | LIN | 112 | N13 | N14 | NIS | N16 | NI.7 | N18 | 6 TN | N20 | N21 | S201 | S202 | S203 | \$204 | S205 | S206 | S208 | 8209 | S210 | S211 | S212 | S215 | S217 | \$221 | S231 | S232 | S233 | S234 | 5865 | : 51 |

| 7 | | Prob. | | ٨ | ۸ | | ۸ | ۸ | ۸ | ۸ | ۸ | ۸ | ۸ | ۸ | ۸ | ۸ | ۸ | ^ | ۸ | ۸ | ۸ | ۸ | ۸ | ۸ | ۸ | ٨ | ۸ | ^ | ۸ | ۸ | ۸ | ^ | ^ | ^ | ^ |
|---------------|-------|------------|-------|--------|-------|-------|-------|------|--------------|------|------|------|------|------|-------|------|------|-------|-------|-------|-------|------|------|------|------|------|------|---------------|------|------|------|------|------|------|------|
| 1970-71 (Fig. | Ratio | S/NS | | 1.50 | . 63 | | 1.12 | 1.46 | • 76 | .74 | 1,33 | . 84 | 1.66 | 1.39 | 1.04 | .71 | .84 | .92 | 1.09 | 86. | 1.04 | 1.11 | 2.40 | 1.13 | .95 | 1.08 | .75 | .87 | 1.01 | 1.03 | 99. | 1.11 | 1.91 | 1.19 | 88 |
| 70-7 | | 2 2 | | 7 | ß | | 9 | œ | 9 | œ | œ | 6 | 4 | 6 | 6 | 6 | œ | ∞ | 7 | 9 | 6 | 6 | ß | œ | 6 | 6 | 6 | 6 | 6 | ഹ | 7 | 6 | 6 | 7 | 6 |
| 19 | | N L | | 10 | ı. | | 7 | 12 | 6 | 12 | 77 | 13 | œ | 13 | 디 | 13 | 12 | 11 | 6 | 7 | 13 | 13 | 6 | 11 | 13 | 13 | 13 | 13 | 13 | ó | 11 | 13 | 13 | 11 | 12 |
| • | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (9) | | Prob. | ٨ | | .095 | Λ | ٨ | ۸ | ۸ | | 080 | .050 | ٨ | ٨ | ۸ | 080 | .019 | | | ٨ | ۸ | ٨ | ۸ | .100 | .025 | 600° | .035 | •010 | ^ | ۸ | .088 | .022 | ٨ | .085 | ^ |
| 1969-70 (Fig. | Ratio | s/ns | 1.39 | | 1.76 | 1.44 | 1.28 | 1.83 | 1.53 | | 1.45 | 2.80 | 1.34 | 1.01 | 1.03 | 1.55 | 1.22 | | | 1.75 | • | 2.03 | .77 | 1.81 | 2.82 | 3.06 | 3.54 | 3.40 | 3.80 | 2.84 | 2.47 | 3.08 | 1.43 | 2.38 | 1.31 |
| 7-69 | | $^{N}_{2}$ | 6 | | 6 | 6 | 6 | 7 | က | | 6 | ∞ | 6 | 6 | တ | 6 | 6 | | | 6 | 6 | 6 | 9 | 9 | 6 | 6 | 6 | 6 | ಞ | 7 | ∞ | 6 | 6 | 6 | œ |
| 1.9 | | N, | 13 | | 13 | 13 | 13 | 6 | ∞ | | 13 | 13 | 13 | 13 | 13 | 13 | 13 | | | 13 | 15 | 13 | 10 | 10 | 13 | 13 | 13 | 13 | က | 6 | 12 | 13 | 13 | 13 | 11 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5) | : | Prob. | ^ | 960. | ٨ | ۸ | ۸ | | | | ۸ | Λ | ۸ | ۸ | ۸ | ۸ | ۸ | | ٨ | ٨ | .008 | ٨ | ۸ | ٨ | | | ٨ | ۸ | ٨ | ٨ | 690. | ٨ | .068 | ^ | .097 |
| 1968-69 (Fig. | Ratio | s/ns | | • | i.49 | • | • | | | | .93 | 4. | 1.25 | 1.14 | • | 1.38 | • | | 1.14 | 1.48 | 2.59 | 1.58 | 1.44 | 1.40 | | | 1.40 | • | 1.04 | • | • | • | 1.62 | • | • |
| 68-6 | | N_2 | 22 | 19 | 22 | 16 | 19 | | | | 12 | 18 | 22 | 19 | 22 | 22 | 22 | | 15 | 22 | 16 | 22 | 18 | 17 | | | 22 | 22 | 19 | 20 | 22 | 20 | 14 | 22 | 15 |
| 19 | | N L | 67 | 16 | 19 | 15 | 18 | | | | 12 | 15 | 19 | 18 | 51 | 13 | 13 | | 15 | 19 | 12 | 19 | 17 | 14 | | | 19 | 19 | 16 | 17 | 19 | 17 | 12 | 19 | 12 |
| 4) | | Prob. | .023 | ٨ | ^ | | ٨ | | | | ٨ | | .029 | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | •079 | ^ | ^ | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | | ٨ | ^ | ٨ | ٨ | ٨ |
| 1967-68 (Fig. | Ratio | s/ns | 2.89 | 1.90 | 1.22 | | 1,30 | • | | | 2.41 | | 2.31 | 1.80 | 2.03 | 1,58 | 2.03 | 3.22 | 2.44 | 3.26 | 3.71 | 2.56 | 1.91 | 1.63 | • | • | • | • | • | | 1.90 | 2.66 | 1.70 | 3,38 | 2.48 |
| ,-L | | N_2 | ∞ | 7 | 6 | | 11 | | | | 10 | ļ | œ | 11 | 1 | 11 | 11 | | 7 | 11 | 11 | 1 | 11 | 10 | 11 | 10 | ∞ | 11 | 11 | | 11 | 6 | 11 | 11 | 11 |
| 19 | | N | 9 | o C | ·J | | [] | i | | | [| i | 10 | 11 | ΙΠ | = | 10 | i = | l rc |] | 1 = | 1:1 | 11 | ∞ | 11 | 11 | 10 | 11 | 11 | | Ţ | 9 | 11 | 11 | Π |
| | S+3. | No. | \$238 | \$241 | \$242 | \$249 | \$251 | 8285 | 9868 9888 | 8257 | V85 | V121 | V138 | V165 | 99 LA | 79LA | V168 | V) 69 | V1 70 | V 7.1 | V1 72 | V173 | V174 | V175 | V188 | V189 | V190 | V <u>1</u> 91 | V192 | V193 | V194 | 96TA | V198 | V206 | V207 |

| ć | 7, | Prob. | | , | ٨ | ^ | | Λ | ۸ | ^ | . ^ |
|------------------|------------|----------------|------|---------|------|-------|-------|-------|------|------|------|
| 7 (0:4 | 317 1/-0// | katio S/NS | | | T.05 | 00 | 1 | 2.34 | 1.27 | .46 | 1.28 |
| 07.0 | | Z | 7 | c | ^ | 0 | ٠, | H | 6 | 9 | · 00 |
| 5 [| ì | z | ا۲ | 13 | CT | 13 | 1 | ? | 13 | 7 | 12 |
| (9) | 1 | Prob. | | ^ | ` | Λ | , | ١ | ٨ | .021 | ٨ |
| 1969-70 (Fig. 6) | Ratio | S/NS | | 1 29 | 10.1 | 1.44 | 2 | 7/17 | 1.65 | 3.69 | 3.73 |
| 696 | | N S | • | 0 | ٠ : | 5 | ſ | | 7 | 6 | 9 |
| H | | N | | <u></u> |) (| L3 | 7 | 7 | 1 | 13 | 9 |
| . 5) | | Prob. | | .061 | . / | ١ | 100 |) | ۸ | | Λ |
| 1968-69 (Fig. | Ratio | S/NS | | 1,53 | ני | 10.1 | 2.53 | 1 1 | T•35 | 1 | 1.59 |
| 968- | | 8 | | 21 | 9.9 | 77 | LC: | | 77 | , | × |
| 1 | | × ^L | | 19 | ď | o T | 5 | | À | | r? |
| 4) | | Prob. | , | ^ | Λ | . / | ^ | ^ | ١. | | |
| 1967-08 (Fig | Ratio | s/ns | | 1.48 | 1,70 | | 2.13 | 30 | • | | |
| 967- | | 22 | r | ` | Π | \ | 0 | Ξ | į | | |
| 7 | | 24 | (| 7 | Ţ | | , | | | | |
| | Sta. | No. | 0064 | 6071 | V221 | 1,994 | +77 A | V225 | V227 | V227 | 101 |

APPENDIX C

Data Summary: Sample Size (N₁-Seeded, N₂-Not Seeded) S/NS Ratio Probability (Wilcoxon-Mann Whitney) (> = greater than .10)

(Fig. 10) 1967-71, T₅₀₀ < -20°C Prob. Ratio S/NS 1.33 .623 .623 .623 .623 .623 .633 z, z 1967-71, T₅₀₀ > -20°C Prob. (Fig. 9) Ratio S/NS 2.35 35.00 2.02 2.02 2.02 3.27 2.75 2.75 2.75 2.75 3.83 3.83 3.83 3.83 3.83 6.31 1.30 1.45 1.45 1.30 1.30 1.01 1.42 6.93 1.00 1.89 4.55 N 2 z Prob. Ratio S/NS Duration (Fig. 16) 1.18 2.27 2.33 2.55 2.65 1967-71, All Bands Prob. Ratio S/NS (Fig. 8) Precip. 222 222 227 116 117 117 228 229 335 112 117 2 23 20 21 21 21 22 25 25 28 28 28 28 28 z A42 A45 147 E442 E1142 E1253 E1682 E1743 E3465 E4767 E4867 E3751 E4144 No.

| | ļ | į | (Fig. 8) 1967-71 | , All B | (Fig. 16) | | 19 |) 67–71 | (Fig. 9) |) >-20°C | 196 | (F 17-73 | (Fig. 10) 1967-71, T500 | < -20°C |
|-------------------|----------|-----|-----------------------|---------|------------------------|-------|-----|------------|---------------|-------------|-----|-------------|----------------------------|---------|
| Sta. No. | z | Z | Ratio S/NS Precip. | Prob. | Ratio S/NS Duration | Prob. | Z | Z | Ratio S/NS | Prob. | Z | Z | Ratio S/NS | Prob. |
| | | 1.7 | ·Aront | 201 | | | 1.7 | 2 | 21.72 | .0011 | [] | 7.5 | 21./2 | |
| E5098 | 35 | 48 | • | ٨ | 1.18 | ^ | 32 | 31 | 1.79 | .063 | 23 | 17 | 88. | ٨ |
| E5151 | 45 | 6† | 1.13 | ^ | 1.04 | ٨ | 30 | 59 | 1.44 | ٨ | 24 | 20 | 98• | ٨ |
| E5184 | 48 | 45 | 1.29 | ^ | 1.12 | Λ | 56 | 56 | 1.25 | ٨ | 22 | 19 | 1.36 | ٨ |
| E5756 | 44 | 41 | 1.18 | ^ | 1.10 | ٨ | 27 | 27 | 1.53 | ٨ | 17 | 14 | .83 | ٨ |
| E6006 | 45 | 34 | 1.94 | .074 | 1.47 | .025 | 27 | 56 | 2.12 | ٨ | 15 | ∞ | 1.48 | ^ |
| E6624 | 42 | 35 | 1.68 | ^ | 1.63 | ^ | 21 | 20 | 2.41 | ٨ | 21 | 15 | 1.21 | ٨ |
| E6736 | 53 | 47 | 1.38 | .054 | 1.24 | .047 | 31 | 30 | 1.74 | .013 | 22 | 17 | 1.03 | ٨ |
| E7735 | 50 | 48 | 1.32 | ٨ | 1.41 | .0217 | 28 | 59 | 2.20 | .050 | 22 | 19 | .85 | ٨ |
| E7946 | 26 | 51 | 66* | ٨ | 1.14 | ٨ | 32 | 31 | 1.05 | ٨ | 24 | 20 | .91 | ٨ |
| E8697 | 33 | 36 | 1.04 | ٨ | 1.11 | ٨ | 24 | 56 | 1.03 | ٨ | 6 | 10 | 1.05 | ^ |
| E8752 | 54 | 49 | 1.69 | .037 | 1.64 | .038 | 30 | 56 | 3.48 | .029 | 24 | 20 | .92 | ٨ |
| E8832 | 48 | 39 | 1.60 | .046 | 1.38 | .034 | 30 | 56 | 2.22 | .059 | 18 | 13 | .95 | ٨ |
| E9049 | 46 | 37 | 1.46 | ٨ | 1.23 | ٨ | 28 | 24 | 1.65 | ٨ | 18 | 13 | 1.23 | ٨ |
| E9221 | 39 | 37 | • | .067 | 1.13 | ٨ | 19 | 18 | 1.29 | .067 | 19 | 19 | 1.62 | ٨ |
| E9283 | 31 | 56 | • | ٨ | 1.28 | ٨ | 19 | 18 | 2.05 | ٨ | 12 | 디 | 1.14 | ^ |
| E9458 | 10 | 7 | • | ^ | • 95 | ٨ | 16 | 17 | 1.04 | ٨ | 9 | ß | 2.13 | 080 |
| E9512 | 20 | 20 | 1.36 | ^ | 1.32 | ٨ | 53 | 30 | 1.19 | ٨ | 21 | 20 | 2.01 | |
| Γe | 38 | 40 | • | .042 | 1.58 | 900• | 22 | 25 | 2.16 | .084 | 16 | 15 | 1.66 | |
| \mathbf{r}_{10} | 44 | 41 | 1.93 | .021 | 1.74 | • 005 | 25 | 28 | 1.76 | .015 | 19 | 13 | 2.05 | |
| 111 | 53 | 48 | 1.84 | . 020 | 1.64 | .003 | 30 | 59 | 2.25 | .017 | 23 | 19 | 1.53 | |
| L33 | 55 | 51 | 1.48 | Λ | 1.42 | • 010 | 31 | 31 | 2.37 | .034 | 24 | 20 | 1.07 | |
| 1.46 | 53 | 50 | 1.72 | .053 | 1.44 | 910. | 30 | 31 | 2.43 | .012 | 23 | 19 | 1.23 | |
| 1.52 | 36 | 34 | • | ^ | 1.36 | .081 | 22 | 22 | 1.64 | ٨ | 14 | 12 | 1.11 | |
| L53 | 26 | 51 | 1.81 | .050 | 1.43 | .015 | 32 | 31 | 2.33 | .044 | 24 | 20 | 1.39 | |
| L54 | 47 | 38 | 2.09 | .028 | 1.38 | .048 | 27 | 23 | 3.26 | .023 | 20 | 15 | 1.43 | |
| L128 | 47 | 41 | • | .045 | 1.34 | .026 | 23 | 22 | 2.19 | .052 | 24 | 19 | 1.28 | |
| L179 | 52 | 50 | • | ^ | 1.40 | .041 | 30 | 31 | 1.30 | .084 | 23 | 19 | 1.29 | |
| 1617 | 55 | 48 | • | .042 | 1.45 | • 039 | 31 | 53 | 2.23 | .027 | 24 | 19 | 1.37 | |
| L213 | 55 | 51 | 1.54 | 180. | 1.54 | .015 | 31 | 31 | 1.51 | .032 | 24 | 20 | 1.49 | |
| L250 | 48 | 44 | 1.62 | ٨ | 1.25 | Λ | 28 | 56 | 2.82 | ٨ | 20 | 18 | 1.14 | |
| L259 | is is | 20 | • | .042 | 1.31 | .053 | 32 | 31 | 1.61 | .053 | 23 | 19 | 1.90 | |
| L292 | 49 | 45 | • | ^ | 1.27 | .093 | 28 | 28 | 2.18 | ٨ | 21 | 17 | 1.07 | |
| L303 | 55 | 51 | 1.58 | Λ | 1.38 | .062 | 32 | 31 | 2.01 | .097 | 23 | 20 | 1.31 | |
| L372 | 54 | 50 | 1.96 | .010 | 1.43 | •010 | 30 | 30 | 5.09 | .024 | 24 | 20 | 1.78 | |

| | (Fig. 8) 1967-71 | | (Fig. 16) All Bands | | 19(|) | Fig. 9 | (Fig. 9) 1967-71, T ₅₀₀ > -20°C | 196 | 7-71 | Fig. 10 | (Fig. 10) 1967-71, T ₅₀₀ < -20°C |
|----------------|---------------------|-------|------------------------|-------|-----|----------------|--------|---|-----|------|---------|--|
| ; | Ratio S/NS | - | Ratio S/NS | | ; | : | Ratio | | ; | ; | Ratio | 7 |
| N ₂ | Precip. | Prob. | Duration | Prob. | ZT | ^N 2 | S/NS | Prob. | 27 | N2 | 1 | Prob. |
| 45 | • | ٨ | 1.23 | ٨ | 27 | 25 | 1,51 | .081 | 24 | 20 | 1.08 | ۸ |
| 48 | • | ^ | 1.14 | ٨ | 56 | 30 | 1,31 | ٨ | 23 | 18 | 1.73 | ٨ |
| 35 | 1.78 | .092 | 1.28 | ٨ | 23 | 26 | 1.48 | Λ | 12 | 9 | 1.80 | ^ |
| 48 | • | ^ | 1.22 | ٨ | 29 | 28 | 1.25 | .079 | 24 | 20 | 1.04 | ^ |
| 49 | • | 660. | 1.37 | .042 | 31 | 31 | 1.97 | .059 | 22 | 18 | 1.26 | ٨ |
| 49 | • | ^ | 1.41 | .043 | 32 | 30 | 2.30 | .050 | 21 | 19 | 1.16 | ٨ |
| 45 | • | ^ | 1.33 | ٨ | 27 | 5 6 | 2.84 | ٨ | 23 | 19 | 1.25 | ٨ |
| 43 | • | ^ | 1.30 | .045 | 28 | 27 | 1.88 | ٨ | 19 | 16 | 1.44 | ٨ |
| 47 | • | .042 | 1.47 | .031 | 30 | 30 | 2.25 | .034 | 21 | 17 | 1.19 | Λ |
| 32 | • | ^ | 1.27 | ٨ | 19 | 18 | 2.10 | ٨ | 18 | 14 | 1.35 | ٨ |
| 44 | • | ^ | 1.35 | .059 | 26 | 59 | 1.75 | ٨ | 19 | 15 | 1.59 | ٨ |
| 6 | .84 | ۸ | 1.05 | ٨ | S | 2 | 3.18 | ٨ | ∞ | 7 | .62 | ٨ |
| 45 | 1.20 | ^ | 1.16 | ٨ | 30 | 30 | 1.28 | ٨ | 16 | 15 | 1.04 | ٨ |
| 17 | 1.35 | ^ | 1.30 | ٨ | 1 | 7 | 1.41 | ٨ | 14 | 70 | 1.27 | ^ |
| 51 | 1.18 | .097 | 1.17 | ٨ | 32 | 31 | 1.21 | .072 | 24 | 20 | 1.15 | ^ |
| 35 | 1.21 | ^ | 1.15 | ٨ | 21 | 19 | 1.31 | ٨ | 13 | 13 | 1.10 | ٨ |
| 20 | 2.01 | • 008 | 1.30 | .047 | 30 | 31 | 2.30 | .015 | 23 | 13 | 1.70 | ^ |
| 46 | 1.36 | ^ | 1.46 | • 003 | 31 | 5 8 | 1.30 | ٨ | 18 | 18 | 1.45 | ۸ |
| 48 | 1.45 | ^ | 1.33 | .019 | 28 | 53 | 1.57 | ٨ | 27 | 13 | 1.31 | ٨ |
| 21 | 1.36 | •076 | 1.41 | .003 | 31 | 31 | 1.67 | .038 | 24 | 20 | 1.08 | ٨ |
| 50 | 1.66 | • 049 | 1.42 | • 004 | 32 | 31 | 2.11 | .048 | 23 | 19 | 1.28 | ٨ |
| 40 | • | .049 | 1.35 | *00 | 25 | 22 | 2.11 | .018 | 23 | 18 | 1.25 | ٨ |
| 20 | • | • 068 | 1.44 | .021 | 30 | 30 | 1.73 | .041 | 24 | 20 | 1.35 | ٨ |
| 46 | • | ^ | 1.26 | ٨ | 31 | 59 | 1.14 | Λ | 18 | 17 | 1.21 | ٨ |
| 45 | • | ^ | 1.09 | ٨ | 30 | 5 8 | 1.57 | ٨ | 22 | 17 | .94 | ٨ |
| 51 | • | ^ | 1.19 | 690* | 32 | 31 | 1.10 | Λ | 24 | 20 | 86. | ٨ |
| 21 | • | ^ | 1.19 | ٨ | 31 | 31 | 1.24 | ٨ | 21 | 20 | .87 | •079 |
| 49 | | ^ | 1.24 | .078 | 31 | 31 | 1.22 | ٨ | 22 | 18 | 1.00 | ۸ |
| 38 | 1.16 | ۸ | 1.41 | .014 | 24 | 27 | 1.15 | ٨ | 20 | 16 | 1.10 | ^ |
| 38 | • | ^ | 1.21 | ٨ | 17 | 20 | 1.05 | ٨ | 21 | 18 | 1.03 | ٨ |
| 35 | 1.33 | ^ | 1.32 | ٨ | 25 | 20 | 1.44 | ٨ | 13 | 15 | 1.23 | ^ |
| 42 | • | ^ | 1.24 | ٨ | 27 | 53 | 1.32 | ٨ | 16 | 13 | 1.12 | ٨ |
| 23 | | .037 | 1.41 | .030 | 15 | 18 | 1.48 | ٨ | 11 | S | 1.20 | ٨ |

| J_0; | Prob. | 175 | ^ | ^ | 85 | ^ | ^ | ^ | ^ | ^ | ^ | ^ | ^ | ^ | ^ | ^ | 175 | | | • | | ^ | | ^ | ^ | 197 | ^ | ^ | ^ | ^ | • | ^ | | ^ | |
|---|------------------------|------|------|------|-------|------|------|-------|------|----------|------|------|------|------|------|------|------|------|------|------|-------|------|------------------|------|------|--------|------|------|------|----------|------|------|------|------|---------------------|
| < -20°C | Pr | 9 | /\ | /\ | 9 | /\ | /\ | /\ | /\ | /\ | /\ | /\ | /\ | /\ | /\ | /\ | 9 | /\ | Λ | /\ | /\ | /\ | /\ | /\ | /\ | ٠ د | /\ | Λ | /\ | /\ | /\ | /\ | ^\ | /\ | |
| (Fig. 10) 1967-71, T ₅₀₀ | Ratio S/NS | 1.39 | 1.51 | 1.00 | 1.39 | 1.08 | 1.27 | 66. | 98. | 99. | .71 | • 79 | 66. | 1.05 | .87 | .93 | .82 | 1.05 | .91 | 06* | 1.25 | 1.11 | 1.13 | .95 | 1.20 | 1.69 | 1.11 | 1.10 | .97 | 1.30 | 68. | 1.04 | 96. | 1.53 | 1.25 |
| (F. | N ₂ | 12 | ∞ | 17 | 20 | 19 | 13 | 12 | 6 | 7 | 7 | လ | 20 | 16 | 15 | 19 | 18 | 17 | 18 | 13 | 20 | 19 | 12 | 6 | 15 | 12 | 20 | 19 | 20 | 19 | 20 | 20 | 7 | 11 | 16 |
| 967 | N T | 7 | 7 | | | | | 78 | က | ∞ | | | | | 15 | | | | | | | . 23 | | | | | | | | | | | | | 9 |
| 741 | 4 | 7 | | 67 | 2 | Ç.4 | 2 | _ | ~ | | | | 64 | 67 | _ | C | SI | 2 | 2 | Н | 2 | 64 | _ | _ | _ | _ | 63 | 2 | 67 | 2 | 2 | 2 | _ | ~ | _ |
| (Fig. 9) 1967-71, T ₅₀₀ ≥ -20°C | Prob. | ٨ | ٨ | .064 | .027 | .049 | .024 | • 076 | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | ^ | ٨ | ٨ | ٨ | ٨ | .067 | .031 | *068 | ٨ | ٨ | ٨ | .032 | .050 | 990. | ٨ | ٨ | .081 | .087 | .093 | .053 |
| (t oos | Ratio S/NS | 31 | .49 | 16, | 19 | 980 | .51 | 1.33 | 41 | • 56 | 90 | 00. | 14 | 13 | .07 | 90. | 23 | 49 | 30 | 00 | .67 | 85 | 85 | 42 | . 52 | .26 | 94 | 14 | .26 | 43 | .04 | 70, | 58 | 82 | 62 |
| Fig | Rar S/I | H | ٦ | H | Ä | Н | 2 | ď | Ä | က် | 4 | Ó | H | Ä | 4 | H | H | Ä | H | H | H | H | Ä | Ä | Ä | Ä | H | 2 | H | Ļ | H | 2 | H | ä | Ä |
|) | N_2 | 24 | 15 | 31 | 29 | 26 | 24 | 27 | œ | 7 | 7 | 0 | 31 | 31 | 25 | 30 | 23 | 30 | 28 | 56 | 53 | 30 | 27 | 18 | 28 | 53 | 27 | 31 | 31 | 31 | 31 | 30 | 29 | 22 | 5 0 |
| 196, | N 1 | 23 | 20 | 32 | 30 | 30 | 24 | 22 | Ħ | 'n | ഹ | Н | 32 | 32 | 30 | 30 | 26 | 31 | 30 | 27 | 30 | 32 | 56 | 20 | 28 | 27 | 27 | 31 | 32 | 30 | 32 | 32 | 27 | 21 | 27 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Prob. | .007 | .035 | .043 | .0005 | .055 | .020 | .093 | .097 | Λ | ۸ | ^ | .055 | .031 | ۸ | .023 | ۸ | .007 | .038 | .014 | .025 | .040 | .051 | ^ | ^ | .028 | .027 | .074 | .087 | .005 | Λ | .017 | .003 | .061 | .036 |
| (Fig. 16) | Ratio S/NS Duration | 1.38 | 1.36 | 1.26 | 1.52 | 1.26 | 1.34 | 1.18 | 1.26 | • 95 | 1.05 | • 65 | 1.29 | 1.25 | 1.18 | 1.26 | 1.15 | 1.39 | 1.36 | 1.52 | 1.39 | 1.32 | 1.29 | 1.09 | 1.06 | 1.66 | 1.29 | 1.22 | 1.18 | 1.60 | 1.17 | 1.30 | 1.52 | 1.46 | 1.32 |
| , A11 B | Prob. | .045 | ٨ | ۸ | *008 | ^ | .01 | • 095 | ^ | ٨ | ۸ | ۸ | ٨ | ٨ | ۸ | ۸ | ٨ | ٨ | ۸ | ٨ | .990* | .087 | Λ | ۸ | Λ | •064 | .067 | .087 | Λ | Λ | Λ | Λ | .075 | Λ | 690• |
| (Fig. 8) 1967-71 | Ratio S/NS Precip. | 1.36 | 1.42 | 4 | 1.51 | ಬ | • | 1.18 | 1.06 | 06. | .84 | 1.17 | 1.03 | 1.11 | 86. | 1.01 | 1.02 | 1.29 | 1.08 | 1.00 | 1.46 | 1.45 | • | 1.24 | • | • | 1.44 | • | • | • | .98 | 4. | • | . 7 | 4. |
| | Z (1 | 36 | 23 | 48 | 40 | 45 | 37 | 34 | 17 | 6 | 6 | ა | 51 | 47 | 40 | 49 | 41 | 47 | 46 | 42 | 49 | 49 | 39 | 27 | 43 | 40 | 47 | 50 | 51 | 50 | 51 | 50 | 36 | 33 | 1 . ∵ |
| | Z L | 40 | 27 | 55 | 54 | 53 | 44 | 45 | 24 | 13 | 13 | S | 26 | 52 | 45 | 53 | 48 | 53 | 51 | 43 | 54 | 55 | 37 | 31 | 42 | 42 | 51 | 55 | 26 | % | 99 | 26 | 36 | 34 | 43 |
| · | | | | N13 | | NIS | | | | | | | | | | | | | | | | | | | | | | | | | | | 238 | | |
| | Sta. No. | Z | Z | Z | Z | Z | Z | Z | Z | Z | Ż | ž | S2(| S202 | S2(| S2(| S2(| S2(| S2(| S2(| S2. | S2] | S ₂] | S2] | \$2] | \$27 | \$25 | \$25 | \$25 | \$2; | \$25 | \$2. | 825 | S 24 | S24 |

| | | | (Fig. 8) 1967-71 | All B | (Fig. 16) | | 196 |) | (Fig. 9) |) ≥-20°C | 196, | () | (Fig. 10) 1967-71, T ₅₀₀ < |) < -20°C |
|---------------|---------|--------|---------------------|-------|------------|-------|-----|------------|----------|-------------|------|-------|--|--------------|
| Sta. | | | | | Ratio S/NS | | | | Ratio | | | | Ratio | |
| No. | N | $_2^N$ | Precip. | Prob. | Duration | Prob. | N | N_2 | s/ns | Prob. | NL | N_2 | s/ns | Prob. |
| C.I | 28 | લં | | ^ | 1.29 | ٨ | 22 | 21 | 1.14 | ٨ | 9 | 4 | 1.97 | .072 |
| C1 | 49 | 45 | • | ۸ | 1.12 | ٨ | 27 | 56 | 1.49 | .097 | 22 | 19 | 1.07 | ٨ |
| \$255 | 12 | œ | 1.60 | Λ | 1.20 | ٨ | 11 | 7 | 3,42 | ٨ | 7 | 9 | 1.07 | ٨ |
| Ĉ.1 | 6 | 9 | • | ۸ | 1.03 | ٨ | 9 | - | 1,38 | ٨ | ა | ഹ | 1.10 | ٨ |
| \sim | 12 | ∞ | .74 | Λ | 1.02 | ٨ | S | 2 | 3,33 | ٨ | 7 | 9 | .51 | ٨ |
| V85 | 47 | 39 | • | ٨ | 1.17 | ^ | 23 | 21 | 1.23 | ٨ | 24 | 18 | 1.19 | ٨ |
| V121 | 41 | 35 | 1.31 | ۸ | 1.30 | ^ | 26 | 20 | 1.25 | ٨ | 15 | 15 | 1.46 | ٨ |
| V138 | 50 | 43 | • | .074 | 1.24 | .055 | 32 | 3 <u>1</u> | 1.62 | .092 | 18 | 12 | 96. | ٨ |
| V165 | 55 | 48 | • | ^ | 1.32 | .029 | 31 | 28 | 1.29 | ٨ | 24 | 20 | 1.14 | ٨ |
| V166 | 54 | 50 | • | ۸ | 1.20 | ٨ | 31 | 30 | 1.78 | ٨ | 23 | 20 | 1.24 | ٨ |
| V167 | 56 | 51 | • | ۸ | 1.38 | .023 | 32 | 31 | 1.44 | ٨ | 24 | 20 | 1.15 | ٨ |
| V168 | 54 | 50 | • | .043 | 1.47 | .029 | 32 | 31 | 1.37 | .032 | 22 | 19 | 1.23 | ٨ |
| V169 | 22 | 19 | • | ^ | 1.24 | Λ | S | 7 | 3.31 | ٨ | 17 | 12 | 96* | ٨ |
| V170 | 56 | 50 | 1.25 | ۸ | 1,35 | ٨ | 18 | 19 | 1.41 | ٨ | 11 | 10 | 1.07 | ٨ |
| V171 | 20 | 48 | • | .015 | 1.45 | 010. | 28 | 56 | 1.68 | .029 | 22 | 19 | 1.29 | ٨ |
| V172 | 49 | 45 | • | .002 | 1,39 | .017 | 56 | 53 | 2.25 | •010 | 23 | 16 | 1.52 | .043 |
| V173 | 26 | 51 | 1.54 | .067 | 1.24 | .078 | 32 | 31 | 1.87 | • 058 | 24 | 20 | 1.24 | ٨ |
| V174 | 47 | 40 | • | ^ | 1.21 | ٨ | 28 | 24 | 1.66 | ٨ | 19 | 16 | 1.15 | ٨ |
| V175 | 43 | 41 | • | .057 | 1.39 | .021 | 22 | 23 | 1.23 | Λ | 21 | 18 | 1.75 | ٨ |
| V188 | 37 | 50 | • | .089 | 1.36 | .092 | 14 | 14 | 2.86 | ٨ | 23 | 15 | 1.1; | ٨ |
| V189 | 37 | 28 | • | ^ | 1.41 | .081 | 14 | 14 | 2,35 | Λ | 23 | 14 | 1.44 | ٨ |
| V19 0 | 55 | 48 | • | ^ | 1.47 | 910. | 32 | 31 | 1.50 | • 063 | 23 | 17 | 1.18 | ٨ |
| 1617 | 26 | 51 | • | .087 | 1.41 | .026 | 32 | 31 | 1.42 | • 095 | 24 | 20 | 1.41 | ٨ |
| V192 | 43 | 42 | • | ۸ | 1.45 | .053 | 25 | 22 | 1.07 | ٨ | 18 | 17 | 1.21 | ٨ |
| VI93 | 32 | 32 | • | Λ | 1.40 | • 079 | 21 | 20 | 1.62 | ٨ | 11 | 12 | 1.53 | ٨ |
| V194 | 53 | 48 | • | .095 | 1,25 | ٨ | 31 | 30 | 1.07 | .048 | 22 | 18 | 1.38 | ٨ |
| 96 T A | 32 | 27 | • | .012 | 1.50 | .034 | 14 | 14 | 3.69 | .072 | 18 | 13 | 1.28 | .097 |
| 8610 | 49 | 43 | • | .062 | 1.30 | .084 | 25 | 24 | 1.57 | ٨ | 54 | 19 | 1.65 | ٨ |
| V206 | 54 | 49 | 1.65 | .028 | 1,38 | .038 | 32 | 31 | 1.52 | .045 | 22 | 18 | 1.70 | ٨ |
| V2 07 | 46 | 43 | • | •059 | 1.25 | .067 | 26 | 5 8 | 2.05 | .041 | 20 | 15 | .97 | ٨ |
| V209 | is S | 46 | • | .020 | 1.51 | • 002 | 32 | 30 | 2.07 | .021 | 23 | 16 | .73 | ٨ |
| V221 | 55 | 51 | • | ^ | 1.25 | .067 | 31 | 31 | 1.32 | ٨ | 24 | 20 | 1.27 | ٨ |
| V224 | 30 | 59 | 2.04 | .015 | 1.62 | .005 | 15 | 17 | 2.59 | .028 | 15 | 12 | 1.54 | ٨ |

| (Fig. 10) 1967-71, Teon < -20°C | Prob. | ^ ^ / |
|---|------------------------|-------------------------|
| Fig. 10 | Ratio S/NS | 24 20 1.23 11 8 1.24 |
| () | N N | 20 8 - |
| 196 | ۲ | 24 |
| (Fig. 9) 1967-71, T ₅₀₀ ≥ -20°C | Prob. | . 048 |
| Fig. 9) | Ratio S/NS | 1.94 2.92 |
| () | N_1 N_2 | 30 29 9 7 24 21 |
| 196 | N K | 30 |
| | Prob. | .028 |
| (Fig. 16) | Ratio S/NS Duration | 1.32 |
| (F) (F) (All Bands | Prob. | .034 |
| (Fig. 8) 1967-71 | Ratio S/NS Precip. | 1.55 1.44 1.63 |
| | N ₂ | 49 15 32 |
| | N L | 54 20 33 |
| | Sta. No. | V225 V227 V232 |

APPENDIX C

Southerly Stratification Prob. (Fig. 13) 1967-71 Ratio S/NS Westerly Stratification Sample Size (N1-Seeded, N2-Not Seeded) Prob. Probability (Wilcoxon-Mann Whitney) (> = greater than .10) (Fig. 12) (Fig. 12) (Fig. 14) Ratio S/NS .31 .38 .1.02 1.41 3.02 N_2 Prob. S/NS Ratio T₅₀₀ < -22°C Ratio S/NS .65 1.06 1.06 1.06 1.06 1.06 1.06 1.29 1.29 1.29 1.29 1.29 1.38 .78 1.07 1.27 1.31 .45 Z Z Data Summary: z Prob. T₅₀₀ ≥ -22°C (Fig. 11) 1967-71 Ratio S/NS A26 A27 A29 A31 A32 A33 A33 A35 A35 A35 A36 A37 A47 A44 A45 A46 E1142 E1253 147 E442 E1682 E1743 E3465 E3751 Sta. No.

| ation | Prob. | _ | ^ | .081 | ^ | ^ | Λ | ^ | 047 | ^ | ^ | ^ | 800 | Λ | ^ | 020 | ^ | 082 | ^ | 043 | 072 | 042 | ^ | ^ | ^ | ^ | 060 | ^ | ^ | ^ | ^ | ^ | ٨ |
|--|----------------|-------|-----------------|-------|-------|-------|--------|-------|-------|-------|------------|-------------|-------|-------|-------|-------|-------|-------|-------|------------|-------------|------|------------|---------------|------|------|------------|------|------|-------|------|------------|------|
|) fic | Pr | | | • | • | • | | • | • | • | | • | • | , , | | • | • | • | • | • | ٠, | • | | | • | | • | | • | • | | • | |
| (Fig. 13) 1967-71 Southerly Stratification | Ratio S/NS | 1.73 | 1.20 | 1.82 | 1.70 | 1.01 | 1.81 | 1.53 | 1.54 | 1.25 | 1.07 | 1,00 | 2.72 | 1.43 | 1.30 | 1.80 | 2.51 | 3.82 | 1.34 | 2.46 | 1.78 | 2.79 | 1.43 | 1.66 | 1.16 | 1.82 | 2.30 | 1.56 | 1.46 | 1.74 | 1.87 | 1.73 | 1.86 |
| (F: 15 | N 2 | 21 | 20 | 21 | 22 | 18 | 14 | 16 | 20 | 23 | 23 | 14 | 22 | 17 | 17 | 17 | 7 | 10 | 22 | 13 | 19 | 22 | 23 | 22 | 15 | 23 | 17 | 21 | 22 | 22 | 23 | 22 | 22 |
| Southe | N N | 30 | 31 | 31 | 29 | 27 | 23 | 25 | 53 | 53 | 32 | 22 | 30 | 27 | 56 | 19 | 20 | 18 | 56 | 27 | 56 | 30 | 31 | 31 | 21 | 32 | 27 | 28 | 56 | 31 | 31 | 30 | 31 |
| Fig. 14) 1967-71 Stratification | Prob. | ^ | Λ | Λ | ۸ | ٨ | ٨ | .084 | ٨ | ^ | ٨ | ۸ | ٨ | .070 | ^ | ^ | ۸ | ۸ | ^ | ^ | ^ | ^ | ٨ | ^ | ٨ | ^ | ^ | ٨ | ^ | .030 | ۸ | ^ | ۸ |
| Fig. 14 1967-71 Stratif | Ratio S/NS | .84 | 1.56 | . 52 | .93 | 1.03 | 1.58 | 1.70 | .87 | .87 | • 78 | . 84 | .92 | 1.75 | 1.49 | 1.05 | •49 | 98. | 1.49 | .50 | 1.93 | 88. | 1.22 | 1.21 | 1.38 | 1.30 | 1.32 | 1.33 | 1.05 | 1.45 | 1.07 | • 30 | 1.53 |
| | N 2 | 28 | 28 | 28 | 23 | 23 | 20 | 19 | 22 | 25 | 5 8 | 22 | 27 | 22 | 20 | 19 | 78 | 16 | 28 | 21 | 22 | 56 | 5 8 | 28 | 13 | 28 | 21 | 21 | 28 | 26 | 28 | 22 | 28 |
| Westerly | Z, | 23 | 24 | 23 | 19 | 17 | 13 | 17 | 24 | 21 | 24 | 11 | 24 | 27 | 20 | 19 | 11 | 14 | 27 | 11 | 18 | 23 | 24 | 22 | 15 | 24 | 20 | 19 | 24 | 24 | 24 | 18 | 24 |
| °. | Prob. | ^ | Λ | ٨ | ٨ | ٨ | ^ | ٨ | ۸ | ۸ | ٨ | ^ | ٨ | ۸ | ^ | ^ | ^ | ^ | ^ | ^ | ^ | Λ | ٨ | Λ | ٨ | Λ | ^ | Λ | ^ | ^ | ^ | ^ | ٨ |
| Fig. 12) 1967-71 00 < -22°C | Rutio S/NS | | 1.23 | •79 | 1.52 | 1.62 | 1,08 | 1.50 | 1.22 | • 74 | .92 | • 78 | .61 | 1.84 | 1.28 | 2.16 | 1.24 | 1.20 | 3.08 | 1.41 | 2.08 | 1.37 | 96. | 1.21 | 2.05 | 1.69 | 1.36 | 1.44 | 1.26 | 1.29 | 1.26 | 1.11 | 1.57 |
| (F 1° T ₅₀₀ | N 2 | 17 | 14 | 17 | 16 | Ħ | 7 | 12 | 14 | 16 | 17 | 6 | 17 | 10 | Ħ | 15 | 10 | œ | 17 | 12 | Ħ | 17 | 17 | 17 | 10 | 17 | 12 | 17 | 17 | 16 | 17 | 15 | 17 |
| | Z ^r | 17 | 16 | 17 | 16 | 12 | 10 | 15 | 15 | 15 | 17 | נא | 17 | 11 | 12 | 13 | ∞ | 11 | 16 | 7 | 12 | 17 | 17 | 17 | 10 | 17 | 13 | 17 | 17 | 17 | 17 | 14 | 17 |
| ၁ | Prob. | 960. | Λ | ۸ | ۸ | ^ | .026 | ^ | .019 | •028 | ^ | ۸ | 600. | ۸ | .082 | Λ | Λ | Λ | ٨ | .016 | 900* | •003 | .020 | .005 | ^ | .017 | .010 | .019 | .035 | • 000 | .010 | 060• | .010 |
| (5, 11) | Ratio S/NS | 1.53 | 1.37 | 1.34 | 1.19 | 1.02 | 2.40 | 1.84 | 1.47 | 2.03 | 1.02 | 1.11 | 2.71 | 1.53 | 1.58 | 1.18 | 2.04 | 1.84 | 1.13 | 2.45 | 1.89 | 2.56 | 2.33 | 2.28 | 1.13 | 1.90 | 2.68 | 1.77 | 1.54 | 2.30 | 1.82 | 2.25 | 2.08 |
| (Fig. 196 | N 22 | 32 | ئا ن | 32 | 29 | 30 | 27 | 23 | 33 | 32 | 34 | 27 | 32 | 50 | 56 | 21 | 19 | 18 | 33 | 23 | 3.) | 3, | 34 | 33 | 5¢. | 37 | 5 (| 2€ | 33 | 32 | 34 | 5 0 | 33 |
| | Z Z | 36 | 39 | 37 | 32 | 32 | 32 | 27 | 38 | 35 | 39 | 28 | 37 | 37 | 34 | 25 | 23 | 21 | 34 | 27 | 32 | 36 | 38 | 36 | 56 | 39 | 34 | 30 | 36 | 38 | 38 | 34 | 38 |
| | Sta. No. | E4867 | E5098 | E5151 | E5184 | E5756 | E 6006 | E6624 | E6736 | E7735 | E7946 | E8697 | E8752 | E8832 | E9049 | E9221 | E9283 | E9458 | E9512 | Γ 6 | L1 0 | נוו | L33 | 9 † -7 | L52 | L53 | L54 | L128 | L179 | 1617 | L213 | L250 | L259 |

| g. 13) 67-71 Stratification | Prob. | ^ | ^ | • 004 | ٨ | .022 | ^ | ^ | ٨ | ^ | ٨ | ٨ | ٨ | ٨ | ۸ | Λ | .030 | .100 | .067 | ٨ | ٨ | ٨ | ٨ | ٨ | .052 | .024 | .074 | ^ | ٨ | ^ | ٨ | ^ |
|---------------------------------------|----------------|------|------|------------|------|------|------|--------------|------|------|-------|-------|-------|-------|-------|--------------|------|-------|------|-------|------|------|------------|------|------|------|------|-------|------|------|------|--------|
| g. 13) 067-71 Strati | Ratio S/NS | 1.61 | 1.73 | 2.08 | 1.47 | 2.43 | 1.59 | 1.31 | 1.45 | 1.71 | 1,94 | 1.48 | 1,69 | 2.20 | 1.60 | · 80 | 1,54 | 2.40 | 1.33 | 1,36 | 1.79 | 1.44 | 1.65 | 1.52 | 1.92 | 2.01 | 1.67 | 1.25 | 1.48 | 1.16 | 1.18 | 1.30 |
| (Fi 15 rrly | N 2 | 20 | 23 | 22 | 23 | 20 | 13 | 22 | 21 | 23 | 21 | 20 | 20 | 18 | 19 | w | 13 | 10 | 23 | 13 | 22 | 23 | 20 | 23 | 22 | 18 | 23 | 19 | 20 | 23 | 23 | 22 |
| (F) | N | 27 | 31 | 30 | 31 | 56 | 19 | 30 | 56 | 32 | 56 | 27 | 28 | 22 | 56 | 7 | 56 | 15 | 32 | 21 | 32 | 31 | 28 | 32 | 31 | 26 | 32 | 28 | 30 | 32 | 30 | 30 |
| Fig. 14) 1967-71 Stratification | Prob. | ^ | Λ | .049 | ٨ | ٨ | ^ | ^ | ^ | ^ | ^ | ^ | ^ | ^ | .087 | ٨ | ^ | ^ | ^ | ^ | .034 | ^ | ^ | ^ | ^ | Λ | ۸ | ۸ | Λ | ^ | ٨ | ^ |
| Fig. 14 1967-71 Stratif | Ratio S/NS | .93 | 1.13 | 1.45 | .59 | .67 | 1.67 | .65 | 1.57 | .83 | 1.11 | 1.58 | .97 | 1.10 | 1.58 | 1.00 | .92 | .85 | .97 | 88. | 1.78 | 1.09 | 1.00 | 86. | 68. | 1.04 | 1.12 | 96. | . 78 | .83 | .70 | 98. |
| | N 2 | 25 | 28 | 2 8 | 22 | 28 | 22 | 56 | 28 | 26 | 24 | 23 | 22 | 14 | 25 | 4 | 56 | 7 | 28 | 19 | 28 | 23 | 28 | 28 | 28 | 22 | 27 | 27 | 25 | 28 | 28 | 28 |
| (Westerly | N. | 22 | 24 | 24 | 20 | 23 | 16 | 23 | 24 | 21 | 21 | 19 | 23 | 15 | 19 | 9 | 20 | 10 | 24 | 13 | 21 | 18 | 21 | 23 | 24 | 22 | 22 | 21 | 22 | 24 | 22 | 24 |
| °.c | Prob. | ^ | Λ | ۸ | ٨ | ^ | ^ | Λ | ^ | ^ | Л | ۸ | ^ | Λ | | ^ | ^ | Λ | ۸ | ^ | ۸ | ۸ | ^ | ۸ | ^ | ^ | ۸ | ٨ | ^ | Λ | Λ | ٨ |
| Fig. 12) 1967-71 0 < -22 | Ratio S/NS | 1.21 | 1.18 | 1.77 | 1.19 | 1.52 | 2.17 | 1.06 | 1.02 | 1.08 | 1.34 | 1.19 | 1.05 | 96* | 1.42 | .68 | 1.28 | 1.46 | 1.29 | 1.25 | 2.05 | 1.59 | 1.28 | 1.07 | 1.38 | 1.39 | 1.38 | 1.11 | 1.01 | .98 | .81 | •94 |
| (F) | N 2 | 14 | 17 | 17 | 17 | 16 | 7 | 17 | 12 | 16 | 16 | 13 | 15 | H | 13 | 9 | 13 | 6 | 17 | 12 | 76 | 15 | 1 6 | 17 | 17 | 15 | 17 | 14 | 14 | 17 | 17 | 16 |
| | N L | 15 | 17 | 17 | 17 | 17 | ∞ | 17 | 1.5 | 14 | 16 | 12 | 15 | 12 | 13 | 9 | 11 | 10 | 1.7 | 10 | 16 | 12 | 15 | 17 | 17 | 17 | 17 | 14 | 16 | 17 | 15 | 16 |
|) i | Prob. | 060. | .046 | 900. | .055 | .048 | ٨ | .031 | | .031 | ٨ | .062 | .011 | 680 | .051 | ^ | ۸ | ٨ | ٨ | ۸ | •004 | ^ | ^ | .015 | .017 | .015 | .015 | .0005 | ^ | ۸ | ^ | ^ |
| ig. 11 067-71 8-22 | Ratio S/NS | 1.76 | | 2.19 | 1,33 | 1.68 | 1.54 | 1.23 | 2.05 | 2.16 | 2.28 | 1,93 | 2.42 | 2.46 | 1.96 | 1.36 | 1.15 | • | 1.14 | • | • | • | 1.57 | • | • | • | 1.65 | | 1.43 | 1.11 | 1.19 | • |
| (F) 19 T ₅₀₀ | N ₂ | 31 | 3.4 | 33 | 28 | 32 | 28 | 31 | 34 | 33 | 56 | 30 | 32 | 21 | 31 | က | 32 | œ | 34 | 20 | 34 | 31 | 35 | 34 | 33 | 25 | 33 | 32 | 31 | 34 | 34 | 33 |
| | Z. | 34 | 38 | 37 | 34 | 32 | 27 | 36 | 38 | 36 | 34 | 34 | 36 | 25 | 32 | 7 | 35 | 15 | 39 | 24 | 37 | 37 | 34 | 38 | 38 | 31 | 37 | 35 | 36 | 39 | 37 | 37 |
| | Sta. No. | L292 | L303 | L372 | 1434 | L435 | 1451 | L4 58 | L466 | L694 | L1017 | L1074 | L1107 | L1108 | L1181 | MI 00 | M101 | NI 02 | ML03 | ML 04 | M24 | M225 | M226 | M228 | M230 | FN | NB | NJ | N2 | NG | N4 | N C |

| | Stratification | Prob. | ٨ | ^ | ٨ | ^ | ^ . | Λ. | Λ | .095 | .022 | .048 | .008 | ٨ | ٨ | ٨ | .003 | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | Λ | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | 190. | ۸ |
|---------------------|----------------|---------------|------|------|--------|--------|------|------|------|------------|------|------|--------------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|-------|------|------|------|-------|------|
| | | Ratio S/NS | 1.13 | 1.29 | 1.67 | 1.22 | 1.69 | 1.33 | 1.44 | 1.64 | 7.66 | 1.1 | 2.31 | 1.15 | 1.03 | 1.40 | 1.83 | 2.00 | 1.20 | 1.16 | 1.04 | 1.13 | 1.15 | 1.25 | 1.22 | .93 | 1.64 | 1,65 | 1.49 | 1.50 | 1.65 | 1.65 | 1.79 |
| (F | 2rly | $^{N}_{2}$ | 21 | 16 | 17 | 18 | 7 | 15 | 12 | 5 0 | 7.7 | 27 | 16 | 13 | 10 | വ | Ŋ | က | 23 | 20 | 13 | 22 | 13 | 22 | 22 | 18 | 23 | 22 | 17 | 13 | 18 | 18 | 20 |
| | Southerly | Z L | 24 | 22 | 22 | 25 | 11 | 24 | 19 | 31 | 31 | 30 | 23 | 22 | 16 | 7 | 7 | က | 32 | 31 | 28 | 31 | 27 | 30 | 31 | 25 | 32 | 31 | 24 | 17 | | 25 | |
| _ | cation | Prob. | ^ | ٨ | Λ | ٨ | Λ | ^ | Λ | Λ. | ^ . | ^ | ٨ | ^ | ٨ | ۸ | ٨ | ^ | ۸ | ^ | ^ | ^ | ^ | Λ | ٨ | Λ | Λ | Λ | ٨ | ^ | ٨ | ^ | ٨ |
| Fig. 14) 1967-71 | Stratification | Ratio S/NS | 1,12 | .83 | . 64 | 86. | 1.23 | 1.08 | . 62 | 1.03 | 1.10 | • 16 | 1.08 | 1.02 | 1.10 | .44 | •54 | . 78 | .91 | .83 | .80 | .77 | .82 | 1,26 | .72 | 06. | 1.04 | .97 | 06. | .79 | .78 | .95 | 88* |
| ` ' | | N_2 | 23 | 22 | 18 | 24 | 16 | 21 | Ħ | 28 | 27 | 24 | 21 | 21 | 7 | 4 | 4 | 2 | 28 | 27 | 21 | 27 | 22 | 25 | 24 | 24 | 56 | 27 | 22 | 14 | 26 | 24 | 27 |
| | Westerly | Z Z | 20 | 16 | 13 | 18 | 15 | 16 | ∞ | 24 | 23 | 23 | 21 | 50 | ∞ | 9 | 9 | ಣ | 24 | 21 | 17 | 22 | 21 | 23 | 20 | 18 | 22 | 24 | 13 | 14 | 19 | 18 | 22 |
| | ၁ | Prob. | ^ | ٨ | ^ | ^ | ٨ | ٨ | ^ | ٨ | ٨ | ٨ | ^ | ^ | ^ | ^ | ۸ | Λ | ٨ | ۸ | ^ | ^ | ٨ | ^ | ^ | Λ | ^ | ^ | ۸ | ۸ | ^ | ^ | ٨ |
| 20.00 |) < -22°C | Ratio S/NS | 1.03 | 06. | 1.00 | 1.23 | 1.11 | 1.77 | 1.44 | 1.06 | 1.28 | 1.11 | 1.02 | 68. | 1.05 | .67 | •46 | • 79 | 1.05 | 1.08 | 85 | •94 | •83 | 1.04 | 1.00 | 96. | 1.45 | 1.04 | 1.28 | .91 | 1.13 | 1.68 | 1.05 |
| | T_{500} | S C | 14 | 15 | 13 | 11 | ശ | 6 | 7 | 14 | 17 | 16 | 7 | 6 | ∞ | 9 | 9 | ഗ | 17 | 13 | 13 | 17 | 16 | 16 | 17 | 11 | 17 | 17 | 11 | 6 | 13 | 11 | 17 |
| | | Z, | 14 | 15 | 6 | 11 | ∞ | 11 | S | 16 | 17 | 16 | 14 | 12 | 6 | 9 | 9 | ß | 17 | 13 | 11 | 17 | 16 | 16 | 16 | 11 | 17 | 17 | 6 | 10 | 13 | 11 | 17 |
| | ى ر | Prob. | .095 | ^ | ٨ | ^ | 990. | ^ | ٨ | .028 | .013 | .027 | .003 | .041 | ٨ | ٨ | ^ | ^ | ٨ | ^ | ^ | ٨ | ^ | ٨ | .057 | .058 | .032 | .012 | .064 | ^ | ٨ | ٨ | *008 |
| Fig. 11 1967-71 | >-22 | Ratio S/NS | 1.22 | 1.28 | 1,39 | 1.28 | 1.66 | 1.26 | 1.46 | 1.69 | 1.65 | 1.61 | 2.70 | 1.31 | 1.09 | 1.62 | 66. | 00.0 | 1.10 | 1.13 | 1.05 | 1.07 | 1.13 | 1.46 | 1.19 | 1.03 | 1.47 | 1.78 | 1.66 | 1.44 | 1.52 | 1.45 | 1.87 |
| Ξ, | T500 | N | 99 | 53 | 22 | 31 | 18 | 27 | 16 | 34 | 32 | 53 | 56 | 25 | 6 | ಣ | က | 0 | 34 | 34 | 27 | 32 | 25 | 31 | 50 | 31 | 32 | 32 | 28 | 18 | 31 | 31 | 30 |
| | 1 | ž | 30 | 23. | 29 | 32 | 18 | 53 | 22 | 39 | 37 | 37 | 30 | 33 | 15 | 7 | 7 | Т | 39 | 39 | 34 | 36 | 32 | 37 | 35 | 32 | 37 | 38 | 28 | 21 | 32 | 32 | 34 |
| | | sta. No. | 9N | N 7 | 2 Z | S S | NIO | NII | N12 | N13 | N14 | NIS | 9 T N | N17 | NT8 | 6TN | N20 | N21 | S201 | S202 | S203 | S204 | S205 | 3206 | \$208 | 8209 | 8210 | \$211 | S212 | 8215 | 8217 | \$221 | 5231 |

| | Stratification | | Prob. | ٨ | ٨ | ^ | ٨ | £50° | ٨ | .038 | .054 | .085 | ٨ | .063 | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | .012 | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ | ٨ |
|----------------------|--------------------|--------|------------|-------|-------|-------|-------|--------|------|------|-------|------|------|------|------|------|------|------|------|------|--------------|------|------|------|------|------|------|------|------|------|------|------|--------------|------|
| ig. 13) 067-71 | Strati | Ratio | s/ns | 1.70 | 1.17 | 1.59 | 66. | 1.58 | 1.28 | 2.79 | 1.66 | 1.36 | 1.43 | 2.62 | 1.50 | 1.11 | 1.24 | 1.40 | 1.32 | 1.31 | 1.48 | 1.40 | 1.26 | 1.48 | 1.27 | 1.44 | 2.04 | 1.43 | 1.47 | 1.74 | 1.71 | 1.92 | 1.46 | 1.60 |
| E H | erly | | $^{N}_{2}$ | 22 | 23 | 22 | 23 | 23 | 15 | I | 20 | 12 | 22 | ∞ | ഹ | 4 | 19 | 18 | 17 | 23 | 23 | 23 | 23 | 6 | 13 | 22 | 21 | 23 | 18 | 19 | 14 | 14 | 20 | 23 |
| | Southerly | i I | N_1 | 31 | 32 | 31 | 32 | 32 | 24 | 17 | 27 | 17 | 56 | 11 | 6 | 9 | 56 | 27 | 28 | 32 | 30 | 32 | 32 | 11 | 20 | 29 | 27 | 32 | 56 | 27 | 20 | 20 | 31 | 32 |
| <u> </u> | Stratification | | Prob. | ٨ | Λ | ^ | Λ | ۸ | ^ | ^ | ^ | ٨ | ۸ | ^ | ٨ | ٨ | Λ | ^ | ٨ | ٨ | ۸ | ^ | ^ | ^ | ٨ | 190. | .029 | ^ | ٨ | ٨ | ٨ | Λ | ^ | ٨ |
| Fig. 14 1967-71 | Stratif | Ratio | s/ns | .93 | .87 | 66. | .91 | .93 | 96. | .93 | .79 | .97 | 66* | .70 | .81 | .48 | .93 | 80 | .93 | .91 | .82 | .93 | 1.12 | .95 | .74 | 1.33 | 1.41 | 1.28 | . 78 | 1.12 | 1.12 | 1,44 | 66. | 1.02 |
| Ξ'' | - 1 | | N_2 | 28 | 28 | 28 | 28 | 27 | 24 | 22 | 25 | 13 | 23 | 7 | 4 | 4 | 20 | 17 | 56 | 25 | 27 | 28 | 27 | 10 | 16 | 56 | 24 | 28 | 22 | 22 | 15 | 14 | 28 | 28 |
| | Westerly | | N | 24 | 24 | 23 | 24 | 24 | 18 | 17 | 16 | 11 | 20 | 10 | ∞ | 9 | 18 | 14 | 22 | 23 | 24 | 24 | 22 | 11 | 6 | 21 | 22 | 24 | 21 | 16 | 17 | 17 | 24 | 24 |
| \sim | C | | Prob. | ٨ | ^ | ^ | ^ | ^ | ۸ | ^ | ^ | ^ | ^ | ^ | ^ | ^ | ^ | ٨ | ^ | ^ | ^ | ٨ | ^ | ۸ | ٨ | ^ | ^ | ^ | ^ | Λ | ^ | ^ | ^ | ^ |
| Fig. 12 1967-71 | $0 < -22^{\circ}C$ | Ratio | s/ns | 1.29 | 86. | 1.44 | .82 | 1.19 | 88. | 1.12 | 1.35 | 2.00 | 1.09 | .91 | 1.05 | .57 | 1.39 | 1.63 | • 68 | 1.16 | 1.28 | 1.26 | 1.12 | 99• | 1.29 | 1.45 | 1.22 | 1.48 | 1.09 | 1.81 | .95 | 1.38 | 1.17 | 1.44 |
| <u> </u> | T500 | | N_2 | 16 | 17 | 16 | 17 | 17 | œ | 10 | 15 | 4 | 16 | œ | œ | 9 | 16 | 13 | 6 | 17 | 17 | 17 | 16 | 10 | œ | 16 | 14 | 17 | 13 | 72 | 13 | 13 | 14 | 17 |
| | | | , L | 17 | 17 | 17 | 17 | 17 | 10 | 10 | 12 | 4 | 16 | œ | 6 | 9 | 17 | 11 | 11 | 17 | 17 | 17 | 15 | 12 | ∞ | 16 | 16 | 17 | 12 | 14 | 16 | 16 | 16 | 17 |
| <u> </u> | 2°C | | Prob. | .015 | ٨ | 980. | ^ | • 00 5 | .081 | .039 | • 044 | ٨ | ٨ | .063 | ٨ | ٨ | ^ | ^ | .038 | ٨ | .062 | 680* | .012 | ^ | ٨ | .017 | .002 | .031 | ٨ | .041 | .039 | .051 | .028 | .037 |
| (Fig. 11) 1967-71 | 7 / 1 | Ratio | s/ns | 1.74 | 1.20 | 1.38 | 1.04 | 1.66 | 1.57 | 2.09 | 1.54 | 1.16 | 1.40 | 3.67 | 1.47 | 2.88 | 1.11 | 1.21 | 1.63 | 1.27 | 1.19 | 1.37 | 1.52 | 2.94 | 1.23 | 1.54 | 2.37 | 1.59 | 1.59 | 1.43 | 2.86 | 2.48 | 1.58 | 1.46 |
| Ξ'' | T_{500} | | N_2 | 34 | 34 | 34 | 34 | 33 | 31 | 23 | 30 | 21 | 50 | 17 | - | 2 | 23 | 22 | 34 | 31 | 33 | 34 | 34 | 6 | 21 | 32 | 31 | 34 | 27 | 56 | 16 | 15 | 34 | 34 |
| | | | N | 38 | 39 | 37 | 39 | 39 | 32 | 24 | 31 | 24 | 33 | 13 | ∞ | 9 | 30 | 30 | 39 | 38 | 37 | 39 | 39 | 10 | 21 | 34 | 33 | 39 | 35 | 29 | 21 | 21 | 39 | 35 |
| | | Sta. | No. | \$232 | \$233 | \$234 | \$235 | \$236 | S238 | S241 | S242 | 8549 | 8251 | S255 | S256 | S257 | V85 | V121 | V138 | V165 | V16 6 | V167 | V168 | V169 | V170 | V171 | V172 | V173 | V174 | V175 | V188 | V189 | V1 90 | 1614 |

| | ation | | op. | | ^ | 399 | •063 | 181 | ^ | 375 | ^ | ^ | ^ | ^ | ^ | ^ |
|---------------------|--------------------------|-------|------------|------|------|------|----------|-------------|------|-------------|------|------|------|------|------|------|
| | fice | | Prob | , , | • | • | <u>`</u> | ٠, | /\ | • | ′` | , ` | , \ | , , | , ` | , · |
| Fig. 13) 1967-71 | therly Strati | Katio | s/ | 1.16 | 1.65 | 1.73 | 1.67 | 1.80 | 1.51 | 1.71 | 1.30 | 1.64 | 1.67 | 1.49 | 1.82 | 1.99 |
| E E | rly | | N_2 | 20 | 17 | 21 | 14 | 20 | 23 | 19 | 19 | 23 | 14 | 21 | 7 | 14 |
| | Southe | | N L | 26 | 21 | 56 | 20 | 28 | 32 | 23 | 31 | 31 | 18 | 30 | 11 | 21 |
| | ication | | Prob. | ٨ | ٨ | ٨ | .071 | ٨ | 060. | ٨ | .081 | ٨ | .063 | 180. | ٨ | ٨ |
| Fig. 14) 1967-71 | Stratif | Ratio | s/ns | 86. | 1.09 | .74 | 1.67 | 86 • | 1,61 | 1.04 | · 89 | • 80 | 2.52 | 1.21 | .72 | • 79 |
| $\overline{}$ | | | N_2 | 22 | 15 | 27 | 13 | 23 | 56 | 24 | 27 | 28 | 15 | 28 | ∞ | 18 |
| | Westerly | | N | 17 | 1 | 24 | 12 | 21 | 22 | 23 | 24 | 24 | 12 | 24 | 6 | 12 |
| | ွ | | Prob. | ٨ | ٨ | ^ | ^ | ^ | ۸ | ^ | ^ | ^ | ^ | ^ | ^ | ٨ |
| Fig. 12) 1967-71 | 0 < -22°C | Ratio | S/NS | 1.28 | 1.74 | 1.14 | 1.33 | 1.28 | 2.01 | . 84 | .60 | 1.24 | 1.46 | 1.41 | 1.46 | 1.77 |
| <u> </u> | T500 | | $^{N}_{2}$ | 14 | 10 | 16 | 12 | 17 | 15 | 13 | 14 | 17 | 10 | 17 | 7 | 10 |
| | | | N | 13 | 6 | 16 | 12 | 17 | 15 | 14 | 16 | 17 | 10 | Н | œ | 7 |
| | o°C | | Prob. | ^ | ^ | .011 | .013 | .023 | .023 | P00. | 6TO. | ^ | 900. | .023 | ^ | ^ |
| Fig. 11) 1967-71 | T ₅₀₀ > -22°0 | Ratio | s/ns | 1.10 | 1.35 | 1.39 | 2.81 | 1.82 | 1.49 | 2.13 | 1.86 | 1.41 | 2.48 | 1.67 | 1.54 | 1.67 |
| Ξ'' | T50 | | N_2 | 28 | 22 | 32 | 15 | 56 | 34 | 30 | 32 | 34 | 19 | 32 | ∞ | 22 |
| | } | | N | 30 | 23 | 37 | 20 | 32 | 39 | 32 | 39 | 38 | 20 | 37 | 12 | 56 |
| | | Sta. | No. | V192 | VL93 | V194 | 961/ | V198 | V206 | V207 | V209 | V221 | V224 | V225 | V227 | V232 |

APPENDIX C

Sample Size (N₁-Seeded, N₂-Not Seeded) Data Summary:

S/NS Ratio

Probability (Wilcoxon-Mann Whitney)

(Fig. 19) (> =greater than .10) (Fig. 20) Bands Followed by Seeding Bands Preceded by eding Sta. No. N_1 N_2 Ratio S/NS Prob. N₇ N_2 Ratio S/NS Prob. A20 13 > 10 22 18 1.40 1.52 > A21 > 12 .97 5 2.50 4 13 A22 .84 -.095 18 12 10 21 1.63 A23 10 11 .49 > 8 14 1.48 10 A24 10 .34 -.10 8 13 1.16 A25 13 11 > 17 .49 . 79 > A26 9 .39 9 6 3.06 -.10 3 A27 3 2 .04 2 4.80 A28 12 8 .77 -.088 15 .27 -.075 A29 > 12 22 > 18 1.47 8 1.31 > 12 17 > A30 11 .81 8 1.14 > A31 8 4 .10 5 Ú 2.85 -.005 17 A32 14 12 8 .20 -.009 .47 A33 19 > 22 > 14 .85 11 .67 A34 15 11 .34 -.031 8 18 .71 > .98 A35 13 > 8 14 .95 9 > > A36 17 .98 19 .49 6 A37 > 19 13 21 .089 1.76 11 .59 > A38 14 9 1.65 9 14 .92 > A39 12 > > 18 1.86 8 22 •96 > A40 0 0 0 0.00 0 0.00 > A41 2 5 1 5.80 4 3.21 > A42 4 1.01 .96 > > > A43 0 0 0 0.00 0 0.00 A44 0 0 0 0 0.00 0.00 A45 0 0 0 0.00 0 0.00 > O 0 0 0 A46 0.00 0.00 A47 0 0 0.00 0 0 0.00 > > NA 19 18 15 22 1.53 .86 > 21 .70 > NB 24 24 27 1.44 > 23 > 22 19 26 .93 Nl 1.32 > N2 23 21 20 23 .79 1.60 > 22 N3 25 25 1.35 28 .89 23 > 21 **N4** 25 28 1.40 1.12 > 22 25 27 N5 24 1.33 1.15 22 > N6 19 1.53 16 24 .83 > N7 19 19 15 23 1.16 1.13 N3 18 12 .99 > 10 19 1.38 N9 25 > 22 28 25 1.75 .83 > .93 N10 14 16 1.10 15 15 21 1.51 > 18 23 1.10 N11 20 N12 > 9 18 1.23 16 11 1.50

.072

20

27

.95

1.50

N13

24

23

| | B | ands F | (Fig. 19) ollowed by See | ding | B | ands F | (Fig. 20) Preceded by See | ding |
|---------------|----------------|----------------|-----------------------------|----------------------------|----------------|----------------|------------------------------|---|
| Sta. No. | N ₁ | N ₂ | Ratio S/NS | Prob. | N ₁ | N ₂ | Ratio S/NS | Prob. |
| N14 | 24 | 23 | 1.78 | > | 22 | 25 | 1.07 | > |
| N15 | 24 | 20 | 1.07 | .076 | 18 | 26 | •93 | > |
| N16 | 17 | 18 | 1.90 | .029 | 18 | 17 | 1.05 | > |
| N17 | 21 | 17 | 2.31 | .085 | 17 | 21 | 1.07 | > |
| N18 | 8 | 4 | 1.61 | > | 4 | 8 | 1.41 | > |
| N19 | 0 | 0 | .91 | > | 0 | 0 | 0.00 | > |
| N20 | 0 | 0 | 0.00 | > | 0 | 0 | 0.00 | > |
| N21 | 0 | 0 | 0.00 | > | 0 | 0 | 0.00 | > |
| S201 | 25 | 2 5 | 1.16 | > | 22 | 28 | .94 | > |
| S202 | 22 | 22 | 1.32 | > | 18 | 26 | .94 | > |
| S203 | 20 | 16 | 1.10 | > | 13 | 2 3 | 1.15 | > |
| S204 | 2 5 | 25 | 1.27 | | 22 | 28 | .88 | > |
| S205 | 21 | 19 | •96 | > > > | 16 | 23 | .88 | > |
| S206 | 25 | 25 | 1.27 | > | 22 | 28 | .83 | > |
| S208 | 23 | 23 | 1.77 | > | 20 | 26 | .82 | > |
| S209 | 25 | 25 | 2.02 | > | 22 | 28 | •93 | > |
| S210 | 25 | 24 | 1.49 | > | 22 | 28 | . 69 | > |
| S211 | 25 | 25 | 1.37 | > | 22 | 28 | .81 | > |
| S212 | 21 | 21 | 1.80 | | 17 | 25 | .86 | > |
| S215 | ló | 14 | 1.13 | > > > | 13 | 17 | 1.05 | > |
| S217 | 23 | 22 | 1.14 | > | 19 | 2 6 | .70 | > |
| S221 | 25 | 2 5 | 1.41 | > | 22 | 28 | •60 | 074 |
| S225 | 22 | 22 | 1.45 | > | 18 | 26 | .82 | > |
| S226 | 22 | 23 | 1.26 | > | 19 | 26 | .64 | > |
| 8227 | 0 | 0 | 0.00 | > | 0 | 0 | 0.00 | > |
| S228 | 2 5 | 25 | 1.34 | > | 22 | 28 | •73 | > |
| S230 | 25 | 2 5 | 1.79 | > | 22 | 28 | • 73 | > |
| S231 | 21 | 23 | 1.92 | . 089 | 19 | 26 | .60 | > |
| S232 | 25 | 24 | 2.46 | .033 | 22 | 27 | • 69 | > |
| S233 | 25 | 25 | 1.51 | > | 22 | 28 | 1.03 | > |
| S234 | 23 | 25 | 1.36 | > | 22 | 27 | • 73 | > |
| S 2 35 | 25 | 25 | 1.45 | > | 22 | 28 | •59 | 059 |
| 5236 | 25 | 25 | 1.74 | > | 22 | 28 | .76 | > |
| S 2 38 | 24 | 23 | 1.78 | | 20 | 27 | 1.08 | > |
| S241 | 14 | 15 | 1.25 | > > | 16 | 13 | .52 | 10 |
| S242 | 22 | 24 | 1.35 | > | 19 | 27 | .89 | ز |
| S249 | 16 | 15 | •98 | > | 13 | 18 | 1.50 | .01 |
| S251 | 24 | 23 | 1.37 | > | 20 | 27 | .94 | > |
| S255 | 6 | 3 | .73 | > | 2 | 7 | 2.49 | > |
| S256 | 5 | 1 | .50 | > | 2 | 4 | 3.15 | .067 |
| S257 | ō | 0 | 0.00 | > | 0 | ō | 0.00 | > |
| L6 | 17 | 19 | 1.45 | > > > > > > | 18 | 19 | 1.02 | > |
| L10 | 20 | 22 | 1.80 | > | 20 | 22 | .77 | 031 |
| L11 | 24 | 24 | 1.92 | > | 22 | 25 | .74 | > |
| L33 | 25 | 25 | 2.41 | .074 | 22 | 28 | .40 | 006 |
| L46 | 25 | 25 | 3.34 | .006 | 22 | 2 8 | .40 | 015 |

| | В | ands F | (Fig. 19) ollowed by See | ding | B | ands P | (Fig. 20) receded by Sec | ding |
|--------------|------------------|------------|-----------------------------|-------------|----------------|--------------|-----------------------------|-------------------------|
| Sta. No. | \overline{N}_1 | N_2 | Ratio S/NS | Prob. | N ₁ | $^{\rm N}_2$ | Ratio S/NS | Prob. |
| L52 | 22 | 19 | 3.10 | .051 | 17 | 24 | .40 | 013 |
| L53 | 25 | 25 | 3 .2 5 | .018 | 22 | 28 | .38 | 014 |
| L54 | 22 | 17 | 2.01 | > | 16 | 22 | •46 | 012 |
| L128 | 21 | 19 | 3.13 | .002 | 16 | 23 | .48 | 013 |
| L179 | 24 | 25 | 2.50 | .025 | 21 | 27 | •33 | 009 |
| L191 | 25 | 23 | 2.34 | .025 | 20 | 27 | •44 | 018 |
| L213 | 25 | 25 | 1.84 | > | 22 | 28 | .86 | > |
| L250 | 22 | 23 | 2.82 | .082 | 19 | 2 6 | • 53 | 025 |
| L259 | 2 5 | 25 | 1.69 | .041 | 22 | 2 8 | • 59 | 057 |
| L292 | 23 | 22 | 2.33 | .052 | 20 | 2 6 | •43 | 033 |
| L3 03 | 25 | 25 | 2.52 | .015 | 22 | 28 | •44 | 022 |
| L372 | 24 | 24 | 1.61 | .041 | 21 | 2 6 | .61 | 033 |
| L434 | 23 | 21 | 2.43 | > | 20 | 24 | . 64 | 075 |
| L435 | 21 | 24 | •96 | > | 21 | 2 6 | .83 | > |
| L451 | 20 | 22 | 2.01 | > | 18 | 23 | • 68 | > |
| L458 | 24 | 25 | .94 | > | 22 | 27 | 1.15 | > |
| L466 | 25 | 25 | 1.65 | > | 22 | 28 | .41 | 006 |
| L694 | 23 | 24 | 2.53 | .020 | 20 | 27 | •40 | 006 |
| L1017 | 23 | 22 | 2.57 | .072 | 18 | 26 | . 54 | > |
| L1074 | 23 | 22 | 1.92 | .062 | 19 | 27 | • 58 | 019 |
| L1107 | 24 | 24 | 2.74 | .047 | 21 | 27 | .46 | 006 |
| L1108 | 14 | 14 | 1.22 | > | 11 | 16 | 1.29 | > |
| L1181 | 22 | 24 | 2.00 | .003 | 21 | 27 | •45 | 014 |
| M124 | 23 | 25 | 2.43 | .048 | 21 | 26 | .58 | > |
| V85 | 22 | 18 | 2.17 | .075 | 17 | 23 | .87 | > |
| V121 | 2 3 | 22 | 1.36 | > | 19 | 27 | .78 | 097 |
| V1 38 | 24 | 23 | 1.92 | > | 20 | 27 | 1.10 | |
| V1 65 | 24 | 23 | 1.85 | .048 | 20 | 27 | .78 | > |
| V166 | 25 | 25 | 1.62 | .050 | 22 - | 28 | •90 | > |
| V167 | 25 | 25 | 1.29 | > | 22 | 28 | .85 | ン |
| V168 | 25 | 25 | 1.07 | > | 21 | 28 | •94 | > |
| V1 70 | 11 | 14 | 1.84 | > | 8 | 16 | .75 | ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ |
| V171 | 25 | 25 | 1.27 | > | 22 | 28 | • 79 | > |
| V172 | 20 | 24 | 1.94 | .062 | 21 | 23 | 1.06 | > |
| V17 3 | 25 | 25 | 1.72 | .090 | 22 | 28 | .77 | > |
| V174 | 22 | 21 | 3.23 | .004 | 19 | 23 | .71 | > |
| V175 | 19 | 19 | 1.43 | > | 16 | 23 | •90 | > |
| V1 88 | 13 | 13 | 2.59 | > | 13 | 13 | . 7 9 | > `, |
| V1 89 | 13 | 13 | 1.98 | > > > | 13 | 13 | . 59 | |
| V100 | 24 | 2 3 | .97 | > | 20 | 27 | .77 | 097 |
| V191 | 25 | 25 | 1.09 | > | 22 | 28 | 1.01 | > |
| V192 | 17 | 20 | 1.31 | > | 16 | 21 | • 69 | > |
| V194 | 25 | 25 | 1.13 | > > | 22 | 28 | 1.17 | J. 1 |
| V196 | 21 | 23 | 1.51 | | 19 | 25 | .7? | / |
| V198 | 20 | 21 | 1.52 | > | 16 | 24 | 1.00 | > |
| V206 | 25 | 25 | 1.12 | > | 22 | 28 | .85 | > |

| | В | ands F | (Fig. 19) Ollowed by See | eding | E | ands F | (Fig. 20) Preceded by Sec | ding |
|----------------|------------------|------------|-----------------------------|-------|----------------|------------|------------------------------|------------------|
| Sta. No. | $\overline{N_1}$ | N_2 | Ratio S/NS | Prob. | N ₁ | N_2 | Ratio S/NS | Prob. |
| V207 | 18 | 23 | 1.67 | > | 20 | 20 | 1.22 | > |
| V2 09 | 24 | 23 | 1.84 | > | 20 | 27 | • 79 | > |
| V221 | 25 | 25 | 1.32 | > | 22 | 21 | .71 | 076 |
| V224 | 16 | 13 | 1.93 | > | 13 | 16 | .74 | > |
| V225 | 23 | 24 | 1.66 | .045 | 21 | 2 6 | .84 | > > |
| V232 | 13 | 12 | .52 | > | 8 | 18 | 1.40 | > |
| V233 | 0 | 0 | 0.00 | > | 0 | 0 | 0.00 | > |
| V234 | 18 | 13 | 1.73 | > | 10 | 22 | .48 | 071 |
| E442 | 2 5 | 25 | .92 | 079 | 22 | 28 | .84 | > |
| E1742 | 20 | 21 | 1.71 | .053 | 18 | 24 | .97 | > |
| E1253 | 24 | 22 | 1.85 | > | 20 | 26 | .74 | > |
| E1682 | 25 | 25 | 1.69 | > | 22 | 28 | • 53 | 042 |
| E1743 | 25 | 25 | 1.87 | > | 22 | 28 | • 54 | 005 |
| E3465 | 17 | 16 | .89 | > | 13 | 20 | .60 | > |
| E3751 | 25 | 2 5 | 2.13 | .052 | 22 | 28 | •44 | 005 |
| E 414 4 | 23 | 22 | 1.84 | > | 20 | 24 | .84 | > |
| E4767 | 22 | 22 | 1.50 | > | 19 | 24 | 1.20 | > |
| E4867 | 23 | 25 | 1.23 | > | 22 | 27 | 1.09 | > |
| E5098 | 24 | 23 | .57 | 034 | 20 | 27 | • 53 | 038 |
| E5151 | 24 | 24 | 1.04 | > | 21 | 27 | 1.11 | > |
| E5184 | 24 | 23 | 1.36 | •029 | 21 | 26 | .70 | 069 |
| E5756 | 22 | 20 | 1.53 | > | 17 | 24 | .48 | 033 |
| E6006 | 18 | 19 | 2.76 | .046 | 17 | 20 | •56 | 006 |
| E6624 | 21 | 14 | 2.60 | > | 13 | 23 | • 55 | 023 |
| E6736 | 24 | 23 | 1.89 | .038 | 20 | 27 | .61 | 036 |
| E 7 735 | 24 | 2 3 | 2.92 | .011 | 22 | 24 | . 48 | 029 |
| E79 4 6 | 25 | 25 | 1.77 | > | 22 | 28 | . 59 | > |
| E8697 | 19 | 18 | 1.01 | > | 16 | 23 | •95 | > |
| E8752 | 24 | 24 | 1.42 | > | 21 | 26 | . 56 | 055 |
| E8832 | 23 | 18 | .74 | 089 | 16 | 25 | • 58 | 069 |
| £90 4 9 | 23 | 20 | 1.64 | > | 18 | 25 | .51 | 017 |
| E9221 | 19 | 15 | 2.10 | > | 15 | 18 | .94 | > |
| E9283 | 9 | 14 | 1.41 | > | 8 | 15 | •55 | > > > > |
| E9458 | 12 | 12 | 1.23 | > | 12 | 11 | 1.69 | > |
| E9512 | 24 | 25 | . 78 | > | 21 | 28 | • 66 | > |
| ML00 | 0 | O | 0.00 | > | 0 | 0 | 0.00 | > |

APPENDIX D

LISTING OF BAND PRECIPITATION BY STATION AND YEAR

(-1 or blank space indicates missing data)

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PRECIPITATION 1967-68
 A 21 1967-68
       -1. -1.
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A 23
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A 31
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A 32 1967-68
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A 33 1967-68
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| E 442 | | | | | | | | | | | | | | | |
|---------------|------------|------------|------------|-------|------------|-----|-----|-----|-------|--------|------|-------|-------|-------|-------|
| .00 | .01 | .08 | .04 | .00 | .04 | .00 | .00 | .00 | •02 | .00 | .10 | .08 | .01 | .00 | .05 |
| .18 | .10 | .44 | .01 | .15 | .05 | | | | | | | | | | |
| E1142 | | | | | | | | | | | | | | | |
| •00 | .09 | .01 | .03 | .03 | .30 | .10 | .02 | .01 | .03 | .04 | .07 | .12 | .04 | • 05 | .00 |
| .93 | . 35 | -1. | -1. | -1. | -1. | | | | | | | | | | |
| E1253 | | | | | | | | | | | | | | | |
| .01 | .14 | .15 | .10 | -1. | -1. | .04 | .00 | .00 | .02 | .20 | .23 | .05 | .03 | • 02 | .20 |
| .78 | .23 | .82 | .01 | .03 | .07 | | | | | | | • | • - • | | |
| E1682 | | | | | | | | | | | | | | | |
| •03 | .05 | .10 | .02 | .25 | .00 | .01 | .00 | .00 | .00 | .03 | .10 | .CO | .00 | • 36 | .10 |
| .25 | •00 | .43 | .00 | .08 | .05 | | | ••• | ••• | ••• | ••• | ••• | ••• | .,, | ••• |
| E1743 | | • • • | | | ••• | | | | | | | | | | |
| •05 | •02 | .00 | .05 | .00 | .42 | •03 | .04 | .01 | .01 | .00 | .02 | .08 | .05 | .04 | .00 |
| •52 | .14 | .47 | .13 | .00 | .06 | ••• | ••• | ••• | ••• | •00 | •02 | •00 | •0) | • • • | • • • |
| E3465 | ••• | • | • • • | •00 | •00 | | | | | | | | | | |
| -1. | -1. | -1. | -1. | -1. | -1. | .00 | -1. | -1. | -1. | -1. | -1. | -1. | -1. | •25 | .03 |
| .15 | .00 | .70 | .15 | .13 | .15 | •00 | . • | • • | • | •• | 2. | . • | | • 2 7 | • 0 3 |
| E3751 | •00 | • • • | • | • • • | ••• | | | | | | | | | | |
| .00 | -01 | .21 | .02 | .30 | .00 | •00 | .00 | •00 | .00 | .00 | .05 | .04 | .00 | .25 | .06 |
| .20 | .12 | .42 | .00 | .07 | .02 | •00 | •00 | •00 | •00 | •00 | •05 | •04 | •00 | • 2 3 | • 00 |
| E4144 | • • • | • •- | ••• | • • • | | | | | | | | | | | |
| .13 | .24 | .05 | .03 | .02 | .12 | -1. | .01 | .00 | .02 | .16 | .05 | .co | .15 | .31 | .15 |
| .80 | .23 | .55 | .04 | .17 | .08 | • • | •01 | •00 | •02 | •10 | •05 | •00 | • 1 7 | • 3 • | • • • |
| E4767 | • • • • | • , , | • • • | • • • | •00 | | | | | | | | | | |
| •06 | .18 | • 05 | .04 | .01 | .11 | •02 | .02 | •00 | •03 | .09 | .10 | .00 | •00 | .03 | .00 |
| .27 | •05 | .55 | .00 | .04 | .00 | •02 | •02 | •00 | • 0 3 | • 17 3 | •10 | • 0 0 | •00 | • 0 3 | •00 |
| E4867 | • 0 3 | | • 00 | • • • | •00 | | | | | | | | | | |
| •08 | 0.7 | .08 | .04 | 14 | •02 | •00 | .00 | 00 | 0.4 | 00 | 24 | 0.3 | 0.3 | 25 | 0.4 |
| | .07 | •55 | | -16 | _ | •00 | •00 | •00 | •06 | •09 | • 24 | .03 | •02 | • 25 | •04 |
| •48 E5098 | • 1 3 | • >> | • 00 | .03 | .08 | | | | | | | | | | |
| | _ 1 | _ 1 | _ 1 | .00 | 21 | •00 | .00 | 00 | 00 | 00 | | | 0.0 | 0.1 | ٠. |
| -1. .06 | -1. .30 | -1. | -1. .08 | .15 | .21 .14 | •00 | •00 | •00 | .00 | •00 | .13 | .co | .08 | .01 | - 04 |
| E5151 | • 50 | • 2 3 | • 00 | • 15 | • 1 4 | | | | | | | | | | |
| | 0.6 | 0.5 | 0.3 | 00 | 0.4 | 0.4 | 0.4 | 00 | 00 | 00 | 0.7 | 0.0 | 00 | 0.0 | ٠. |
| •00 | • 05 | • 05 | • 02 | •00 | •04 | .04 | .04 | •00 | •00 | •00 | .07 | .08 | .00 | • 02 | .04 |
| .15 E5184 | • 00 | • 30 | •00 | •00 | .05 | | | | | | | | | | |
| | 0.5 | 0.3 | 0.3 | 00 | | 00 | 0.0 | ۰. | 0.5 | | | | ~ . | | |
| •02 | .05 .67 | .03 .76 | .02 | .00 | -46 | .00 | .09 | .04 | .05 | .10 | .23 | •42 | .26 | .18 | .10 |
| 1.50 E5756 | .01 | • 10 | .18 | .08 | .14 | | | | | | | | | | |
| -1. | _1 | _ 1 | - 1 | 00 | 00 | 0.6 | 00 | 0.2 | 00 | 00 | ۰. | ٠. | 00 | | |
| | -1. | -1. | -1. | .00 | •00 | .04 | .00 | .02 | .00 | •00 | •06 | -C0 | .00 | -1. | -1. |
| .00 | •00 | .15 | •00 | .00 | .00 | | | | | | | | | | |
| E6006 | • | • | , | | | | 00 | 00 | | | | | • | 2.5 | |
| -1. | -1. | -1. | -1. | -1. | -1. | -1. | •00 | -00 | •00 | -CO | •03 | 80. | •06 | • 25 | •02 |
| .15 | • 04 | .63 | .00 | .09 | .13 | | | | | | | | | | |
| E6624 | | | | | | | | | | _ | _ | _ | _ | | |
| -1. | -1. | -1. | -1. | .00 | .00 | .00 | -1. | -1. | -1. | -1. | -1. | -1. | -1. | .07 | • 02 |
| .00 | .00 | .25 | .00 | .03 | .00 | | | | | | | | | | |
| E6736 | | | | 0.4 | | | ás | | | | | | | | |
| -1. | -1. | -1. | -1. | • 04 | •22 | -1. | •03 | •00 | .01 | •07 | .04 | .16 | .03 | •20 | .01 |
| .58 | .13 | •70 | .00 | .04 | -11 | | | | | | | | | | |
| E7735 | <i>C 1</i> | | 63 | ^^ | | ٥. | ٠.٠ | | | | • • | ٠. | | | |
| •04 | .04 | • 09 | .03 | .00 | .00 | .08 | .00 | .07 | •00 | .04 | .00 | .04 | .02 | .10 | • 02 |
| •13 | •00 | •37 | .00 | .00 | •00 | | | | | | | | | | |

| E7946 | | | | | | | | | | | | | | | |
|----------------------|------------|------------|------------|------------|------------|-----|-------|-----|------|-------|------------|---------|-------|----------------|------|
| •04 | .17 | .03 | .06 | •02 | .06 | .09 | .00 | .00 | •02 | .16 | .18 | .02 | .10 | .07 | .08 |
| . 89 | .21 | .51 | .00 | .01 | .08 | | • • • | | ••• | | | | | | |
| E8697 | | | | | | | | | | | | | | | |
| -1. | -1. | .17 | .06 | -1. | -1. | .02 | .00 | .00 | .02 | .16 | .34 | .17 | .05 | -1. | -1. |
| •60 | -1. | -1. | -1. | -1. | -1. | | | | | | | | | | |
| E 8752 | | | | | | | | | | | | | | | |
| •01 | .01 | • 03 | •00 | •00 | .05 | .00 | •00 | •00 | •00 | .04 | .00 | .C4 | .00 | • 07 | .01 |
| .07 | -00 | .16 | •03 | .00 | .00 | | | | | | | | | | |
| E8832 | | , | | • | • | | | | | | | | | • | |
| -1. | -1. | -1. | -1. | •02 | .04 | -1. | -1. | -1. | -1. | -1. | -1. | -1. | -1. | .06 | .13 |
| •05 E 9049 | • 25 | .15 | .00 | .09 | .08 | | | | | | | | | | |
| •04 | .14 | .18 | .06 | .11 | .02 | .00 | -1. | -1. | -1. | -1. | -1. | -1. | -1. | .23 | .06 |
| .10 | •03 | .39 | .05 | .08 | .10 | •00 | | - • | . • | •• | •• | •• | • • | • 2 3 | •00 |
| E9221 | | ••• | | ••• | | | | | | | | | | | |
| • 02 | •03 | .03 | .00 | .00 | .16 | -1. | -1. | -1. | -1. | -1. | -1. | -1. | -1. | • 33 | .02 |
| •50 | .22 | .70 | .07 | -1. | -1. | | | | | | | | | | |
| E9283 | | | | | | | | | | | | | | | |
| -1. | -1. | -1. | -1. | .00 | .05 | •02 | •00 | .01 | .01 | .03 | .07 | .01 | .01 | -1. | -1. |
| .14 | -1. | -1. | -1. | -1. | -1. | | | | | | | | | | |
| E9458 | | | | | | | | | | | | | | | |
| -1. | -1. | -1. | -1. | -1. | -1. | •05 | .00 | .00 | .05 | •05 | .04 | co | .04 | • 50 | •40 |
| .53 | • 05 | -1. | -1. | -1. | -1. | | | | | | | | | | |
| E9512 | 00 | ٥.5 | 0.4 | ο, | 00 | 00 | 0.2 | 00 | | 0.5 | | 0.1 | 0.0 | , | , |
| •00 •06 | •00 | • 05 | .04 | • 04 | .08 | •00 | •02 | •00 | .03 | -05 | .13 | .01 | .00 | -1. | -1. |
| L 6 | •04 | •50 | .10 | •00 | .00 | | | | | | | | | | |
| •00 | .25 | .10 | .02 | .13 | .02 | .00 | .00 | .00 | .00 | .03 | .15 | .co | .00 | -1. | -1. |
| •26 | .00 | -1. | -1. | -1. | -1. | •00 | •00 | •00 | •00 | • 0 3 | • 1) | • • • • | •00 | -1. | -1. |
| L 10 | •00 | • • | •• | •• | • • | | | | | | | | | | |
| •00 | .11 | .18 | .08 | .18 | .01 | .00 | .00 | .00 | •00 | .00 | .00 | .co | .00 | .83 | •00 |
| .22 | .00 | .41 | .00 | .00 | .00 | | | | | | | | • • • | | |
| L 11 | | | | | | | | | | | | | | | |
| •00 | .16 | .16 | .04 | .17 | .00 | .02 | .00 | •00 | .00 | .00 | .09 | .01 | .CO | .46 | .02 |
| •22 | • 02 | .48 | .00 | .16 | • CO | | | | | | | | | | |
| L 33 | | | | _ | | | | | | | | | | | |
| • 04 | •06 | .19 | .04 | .27 | .02 | .01 | •00 | •00 | .00 | .00 | .06 | .02 | .02 | • 24 | • 30 |
| •28 | .30 | . 34 | .03 | .08 | .02 | | | | | | | | | | |
| L 46 | 00 | 30 | 0.5 | 1 = | 20 | 0.1 | 00 | 00 | 00 | 00 | 0.3 | 0.0 | 0.0 | | ٠. |
| .00 .10 | •09 •07 | •30 •96 | •05 •00 | •15 •07 | .00 .02 | .01 | •00 | •00 | •00 | •00 | .02 | .CO | .00 | • 32 | .04 |
| L 52 | •01 | . 70 | •00 | •01 | •02 | | | | | | | | | | |
| •02 | .07 | .23 | .09 | -10 | .00 | .00 | -1. | -1. | -1. | -1. | -1. | -1. | -1. | -1. | -1. |
| .18 | .10 | .79 | .00 | .09 | .08 | •00 | • • | •• | • • | •• | • • | • • | | •• | |
| L 53 | | • | | | | | | | | | | | | | |
| • 02 | •09 | .30 | .06 | .20 | .00 | •00 | .00 | .00 | .00 | .00 | .03 | .07 | .00 | .18 | .05 |
| .10 | •03 | •92 | .00 | .10 | .11 | | | | | | | | | | |
| L 54 | | | | | | | | | | | | | | | |
| -1. | -1. | -1. | -1. | • 05 | •00 | •00 | •00 | •00 | •00 | .00 | •03 | •03 | .CO | •22 | .02 |
| • 06 | • 02 | .47 | .02 | .11 | .12 | | | | | | | | | | |
| L 128 | | | ٠. | | • | | | | | | . . | | | . - | |
| • 09 | •09 | .41 | .06 | •15 | .00 | •25 | •00 | •05 | •00 | •02 | .04 | .05 | .co | .27 | • 02 |
| .32 | .10 | •57 | -11 | .04 | .00 | | | | | | | | | | |
| L 179 | 1 2 | 1 1 | 0.3 | 0.0 | 00 | 0.3 | 00 | 00 | 00 | 00 | 0.3 | 00 | 00 | 10 | ~ |
| •04 •10 | •12 •02 | .11 .58 | •02 •00 | .08 .18 | .00 .02 | •00 | •00 | •00 | •00 | •00 | •03 | .CO | •00 | .18 | .04 |
| L 191 | • 02 | • 20 | • 00 | • 10 | • 0 2 | | | | | | | | | | |
| •00 | .06 | .12 | .02 | .12 | .00 | .00 | .00 | •00 | .00 | .00 | .03 | .CQ | .00 | . 46 | .00 |
| -18 | .08 | .38 | .00 | .15 | •02 | | | | .,,, | • 50 | • 0 3 | | • 00 | • 40 | • 00 |
| | | | | | | | | | | | | | | | |

| L 213 .00 .25 | .11 | .24 | .01 | .14 | .01 | •00 | .00 | .00 | .00 | .00 | .08 | .co | .00 | .86 | •00 |
|------------------------------|------------|--------------|------------|------------|------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| L 250 •03 | .03 | .14 | .02 | .04 | .00 | •00 | .00 | •00 | •00 | •00 | •00 | .cc | .00 | -1. | -1. |
| .00 L 259 | •00 | .33 | .01 | •06 | •03 | | | | | | | | | | |
| .07 | •06 •04 | •08 •34 | .04 | •28 •00 | •02 •02 | .01 | •00 | •00 | •00 | •02 | •12 | .03 | •02 | • 38 | .44 |
| .00 .25 | .18 | •06 | .00 | •07 •03 | .03 | •00 | .00 | -01 | •00 | .00 | .15 | .00 | •00 | •28 | .00 |
| L 303 | .10 | .14 | .04 | .12 | .00 | .00 | .00 | .00 | •00 | .00 | .00 | .CO | .00 | -28 | .00 |
| -1. L 372 .08 | .04 | .40 | .00 | .13 | .00 | .10 | •00 | •05 | •00 | •02 | .03 | .06 | .01 | •22 | •05 |
| .30 L 434 | .00 | •55 | .05 | .06 | .00 | | | ••• | •00 | •02 | | ••• | | • | •03 |
| •03 •36 L 435 | •08 •00 | •08 •54 | .00 | .10 | .00 | .01 | •00 | •00 | •00 | •05 | •20 | •C0 | .00 | .12 | • 09 |
| •06 •34 | .21 .04 | .16 | .02 | .12 | •03 •04 | .01 | •00 | •00 | •00 | .05 | •15 | .cc | .co | • 36 | • 04 |
| L 451 | .03 | .14 | .01 | •20 | •02 | .12 | .00 | •02 | •00 | .02 | .04 | .00 | .00 | .38 | .11 |
| •25 L 458 •06 | .07 | .10 | .02 | .09 | .00 | .00 | .00 | •00 | .02 | .07 | .17 | .00 | .00 | .15 | •00 |
| •26 L 466 | .10 | •25 | •00 | •00 | •02 | | | | | | | | | | |
| .11 .24 L 694 | . 20 | • 32 • 42 | .00 | .48 .27 | .00 | •00 | •00 | •00 | •00 | •00 | •00 | •00 | •00 | •09 | •25 |
| .00 .06 | .02 .18 | .31 -1. | .04 -1. | .25 -1. | .00 -1. | •00 | •00 | •00 | •00 | •00 | •00 | •CC | •00 | •42 | •00 |
| .01 .00 | •04 •00 | .22 | .00 | .00 | .00 | •00 | •00 | •00 | •00 | .00 | .00 | .cc | .00 | .07 | .00 |
| L1074 •12 | .12 | .15 | .05 | .25 | .04 | .01 | •00 | .00 | •00 | .00 | .04 | •02 | .00 | .25 | .05 |
| -1. L1107 | •05 | .56 | .08 | .13 | .12 | •00 | .00 | .00 | •00 | •00 | .02 | .00 | .00 | •20 | •00 |
| .19 L1108 | .10 | .48 | .00 | .04 | .05 | | | | | | | | | | |
| •05 •00 L1181 | •19 •00 | •14 •42 | .07 .05 | •16 •20 | .04 | -1. | -1. | -1. | -1. | -1. | -1. | -1. | -1. | .18 | •00 |
| .00 .26 M 100 | •07 •05 | .15 | •03 •05 | .29 | .00 | •00 | •00 | •00 | •00 | •00 | •05 | •05 | •00 | •31 | •30 |
| | | | | | | | | | | | | | | | |
| M 101 •00 •87 M 102 | .22 | .00 -1. | .06 -1. | .06 -1. | •42 -1• | .10 | •03 | •02 | .04 | -11 | -28 | .43 | •25 | •15 | .15 |

| M 103 | 1967-68 | | | | | | | | | | | | | |
|--------|----------|---------|-------|-------|-------|-----|-----|-------|-------|------|-------|-------|-------|------|
| .07 | .05 .00 | .06 | .15 | •52 | .12 | .00 | .03 | .14 | -13 | .12 | -00 | . 25 | .26 | • 06 |
| 1.03 | .48 1.00 | .00 | .15 | .05 | • • • | | | • • • | • • • | ••• | ••• | • | • • • | ••• |
| M 104 | 1967-68 | • • • • | • 1 2 | •05 | | | | | | | | | | |
| 35 TOT | 1901-06 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| M 124 | | | | | | | | | | | | | | |
| | 11 20 | 00 | | 0.3 | 0.3 | 00 | 0.3 | 00 | 0.3 | 00 | 0.7 | 0.1 | 20 | 0.4 |
| •14 | .11 .20 | .09 | -12 | .03 | •02 | .00 | •03 | .00 | .02 | .00 | .C7 | .01 | • 29 | • C6 |
| .19 | .07 .65 | .04 | .09 | .00 | | | | | | | | | | |
| M 225 | 1967-68 | | | | | | | | | | | | | |
| • 12 | .12 .09 | .04 | .15 | •05 | •05 | .00 | •00 | •05 | .23 | .35 | .09 | .02 | •60 | .02 |
| •48 | .03 -1. | -1. | -1. | -1. | | | | | | | | | | |
| M 226 | 1967-68 | | | | | | | | | | | | | |
| .10 | .23 .20 | .05 | .09 | .16 | .23 | .00 | .00 | .05 | .21 | .50 | .15 | .10 | .30 | .C1 |
| 1.00 | .14 .78 | .00 | .01 | .06 | | | | • | | | | • • • | | |
| M 228 | 1967-68 | | ••• | ••• | | | | | | | | | | |
| .37 | .17 .10 | .08 | .16 | .07 | .06 | .00 | •00 | •02 | .27 | .35 | -10 | .13 | .70 | .06 |
| •50 | .03 .58 | .00 | | | • 00 | •00 | •00 | •02 | • 2 (| • 22 | •10 | • 1 3 | • 10 | • 00 |
| | | • 00 | .15 | .03 | | | | | | | | | | |
| M 230 | 1967-68 | | | | | | | | | | | | | |
| .10 | .50 .15 | •03 | .11 | .10 | .08 | •00 | •00 | .02 | .34 | .30 | .06 | .10 | • 55 | .17 |
| •67 | .05 1.24 | .08 | • 04 | .10 | | | | | | | | | | |
| N A | 1967-68 | | | | | | | | | | | | | |
| 05 | .27 .15 | .05 | .18 | .10 | .10 | -1. | -1. | -1. | -1. | -1. | -1. | -1. | ·40 | .26 |
| 1.05 | .30 1.44 | .11 | .03 | .18 | | | | | | | | | | |
| N B | 1967-68 | | | | | | | | | | | | | |
| •09 | .17 .14 | .04 | .12 | .01 | .08 | •00 | •00 | .04 | .18 | .40 | .07 | .09 | .31 | .01 |
| .80 | .13 .50 | •00 | .03 | •02 | ••• | ••• | ••• | ••• | • • • | • | ••• | • • • | • • • | •0• |
| N 1 | 1967-38 | • • • • | •05 | •02 | | | | | | | | | | |
| | | -1 | - 1 | _ 1 | _ 1 | 00 | 00 | 0.1 | 20 | 2. | 0.5 | 0.7 | , | , |
| -1. | -i1. | -1. | -1. | -1. | -1. | •00 | •00 | .01 | -20 | .24 | .05 | .07 | -1. | -1. |
| 1.14 | .31 .47 | •00 | .01 | -11 | | | | | | | | | | |
| N 2 | 1967-66 | | | | | | | | | | | | | |
| -1. | -11. | -1. | -1. | -1. | .01 | .01 | .01 | .03 | .16 | .41 | .18 | .07 | -14 | •15 |
| .76 | .17 .74 | .08 | .00 | .10 | | | | | | | | | | |
| N 3 | 1967-68 | | | | | | | | | | | | | |
| .28 | .17 .06 | .0? | .14 | .12 | -11 | .01 | .03 | •02 | .18 | .25 | .04 | .07 | .20 | .12 |
| .87 | .34 .50 | .01 | .18 | .11 | | | | ••• | • • • | | ••• | ••• | | |
| N 4 | 1967-68 | | | | | | | | | | | | | |
| •C1 | .30 .14 | .0i | .08 | .03 | .11 | .00 | .00 | .02 | .14 | .39 | .12 | .08 | .07 | .10 |
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| .10 | • 02 | .11 | • 04 | • 02 | .04 | .02 | •05 | .00 | .00 | •02 | .07 | .14 | • C5 | .16 | .cc |
| .00 | .15 | .12 | •22 | .06 | •09 | .03 | .02 | •02 | .03 | .08 | .04 | .co | .co | .04 | .19 |
| .00 | .28 | •00 | .03 | .39 | .10 | •00 | .23 | •19 | | | | | | | |
| F1142 | | | | | | | | | | | | | | | |
| -1. | -1. | -1. | -1. | • 32 | .34 | .22 | .47 | • 26 | .07 | • 29 | .25 | .16 | • 06 | • 75 | •60 |
| .75 | .47 | .12 | •66 | •53 | 1.15 | .13 | .05 | .13 | .07 | •05 | .10 | •C9 | .38 | .1C | • 54 |
| .22 | .89 | -1. | -1. | -1. | .10 | .00 | .39 | .10 | | | | | | | |
| E1253 | | | | | | | | | | | | | | | |
| -1. | -1. | -1. | -1. | .02 | .12 | .04 | .20 | •02 | •03 | .10 | .27 | .12 | .05 | .17 | -11 |
| .40 | . 75 | .22 | .39 | 1.05 | 1.58 | .87 | .20 | .02 | .11 | .08 | .09 | .10 | .47 | .25 | .57 |
| .12 | 1.37 | .87 | • 35 | • 95 | .10 | .10 | .87 | •53 | | | | | | | |
| E1682 | | | | | | | | | | | | | | | |
| .07 | • 04 | •02 | .07 | .01 | .11 | .00 | .11 | .00 | .00 | .02 | .38 | .39 | -05 | .33 | .05 |
| • C6 | .26 | .12 | .54 | •53 | .36 | -57 | .33 | .05 | .29 | .21 | .06 | .01 | .08 | .20 | .48 |
| .06 | 1.15 | .20 | .05 | .35 | .08 | .05 | .18 | .09 | | | | | | | |
| E1743 | | | | | * | | | | | | | | | | |
| .05 | .03 | .16 | • 05 | .03 | .05 | .10 | .02 | .03 | .02 | .12 | .28 | .13 | .14 | .1C | .01 |
| -40 | .40 | .15 | .40 | .43 | .74 | •02 | .03 | •OB | .16 | .14 | .06 | .02 | .13 | .24 | .18 |
| .09 | .54 | .25 | .07 | .97 | .20 | .00 | .16 | .12 | | | | | | | |
| E3465 | | | | | | | | | | | | | | | |
| .10 | .13 | .22 | .07 | -1. | -1. | .02 | .19 | .06 | •05 | .11 | .24 | .24 | .06 | .27 | .05 |
| .12 | .49 | .15 | .16 | .11 | .30 | .05 | .17 | .18 | .27 | .35 | .01 | .02 | .12 | .14 | .24 |
| .20 | •55 | .39 | .15 | .54 | .06 | •00 | .46 | .20 | | | | | | | |
| ã3751 | | | | | | | | | | | | | | | |
| .05 | • 05 | .03 | .05 | .00 | .26 | •00 | .23 | .00 | .00 | .02 | .33 | .28 | .09 | .24 | .01 |
| .04 | .13 | ÷06 | .21 | .51 | .83 | .87 | .23 | .06 | .30 | .14 | .01 | .01 | .11 | .13 | .55 |
| .11 | 1.24 | .21 | .08 | .47 | .26 | .04 | .30 | .13 | | | | | | | |
| E4144 | | | | | | | | _ | | | | | | | |
| .15 | .1C | .12 | .05 | .25 | .42 | • 05 | .20 | .10 | .05 | .08 | .22 | .22 | .07 | .35 | .09 |
| .37 | •52 | .15 | .62 | .94 | .72 | .24 | .00 | .08 | .08 | .45 | .09 | .04 | • 32 | .12 | .43 |
| .13 | .80 | .70 | .25 | .66 | .19 | -1. | .48 | .25 | ••• | | | ••• | • • • | | • • • |
| E4767 | | | | | | | • | | | | | | | | |
| .03 | • 02 | .08 | .02 | .02 | .05 | •02 | .07 | -1. | -1. | .02 | •02 | .08 | •05 | .21 | .13 |
| .29 | .42 | .12 | .55 | -1. | -1. | -1. | -1. | -1. | -1. | -1. | .10 | ·CG | .05 | .15 | .30 |
| .10 | •52 | .55 | .20 | .68 | .12 | -1. | .12 | .14 | • • | • • | ••• | ••• | ••• | ••• | • • • |
| E4867 | | • | | | | | | • • | | | | | | | |
| .08 | .06 | .04 | .12 | .08 | .21 | .00 | .10 | .00 | .00 | .09 | .67 | .48 | .04 | . 34 | .10 |
| .48 | 1.50 | | 2.58 | .22 | .56 | .80 | .28 | .12 | .33 | .17 | .04 | .04 | .38 | .11 | .74 |
| | 2.12 | .16 | .02 | .37 | .07 | .06 | .40 | .10 | | • • • | ••• | • | • • • • | | • • • |
| E5098 | | | _ | _ | | | | | | | | | | | |
| •12 | .17 | .36 | .06 | •02 | .03 | .01 | .10 | .05 | .01 | .05 | .07 | .19 | .04 | .15 | .01 |
| .03 | •09 | .10 | .12 | .02 | .05 | .01 | .16 | .06 | .05 | .21 | .01 | .CC | .02 | .13 | .04 |
| .02 | •32 | .00 | .03 | •52 | .05 | .00 | .32 | .27 | • • • | | | • | | • • • | • • • |
| E5151 | | | | | | | | | | | | | | | |
| .13 | .01 | .10 | .00 | .00 | .01 | .03 | .00 | .00 | .00 | .08 | .17 | .10 | .15 | -1. | -1. |
| . 38 | . 53 | .04 | .30 | .13 | .05 | .15 | .00 | •02 | .16 | .17 | .05 | .00 | .00 | .54 | .17 |
| .00 | .07 | .00 | .01 | .38 | .12 | .00 | .05 | .05 | • • • | • • • | | | | | • |
| E5184 | . • | | | | | | | | | | | | | | |
| .24 | .1C | .20 | .00 | .28 | .42 | .20 | .62 | .24 | .14 | .44 | -40 | . 3 C | .44 | .64 | .26 |
| .28 | .70 | .10 | .38 | .43 | .43 | .04 | 30. | •20 | .10 | .18 | .10 | | 1.10 | .00 | .60 |
| .10 | .65 | .33 | .10 | .30 | .02 | •00 | .15 | .24 | | | | | | | |
| £5756 | | | | | | | | | | | | | | | |
| •03 | .02 | .14 | .00 | .00 | .00 | -1. | .00 | .00 | .00 | .00 | .10 | .08 | .07 | .05 | .00 |
| .00 | .17 | .10 | .10 | .15 | .23 | .34 | .14 | .00 | .00 | .02 | .00 | .04 | .01 | .25 | .12 |
| .01 | .50 | .14 | .03 | •52 | .25 | .00 | .14 | .13 | - 3 0 | | | 1 | -01 | | - 4 4 |
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| E6006 | | | | | | | | | | | | | | | |
|--------|-------|-------|-------|---------|-------|-------|-------|-------|-------|-------|-------|---------|-------|-------|-------|
| -1. | -1. | -1. | -1. | .00 | -1. | .00 | .25 | .00 | .00 | .00 | .58 | .58 | .24 | .15 | .10 |
| -11 | .07 | .07 | | 1.15 | | 1.55 | .25 | .17 | .32 | .4C | .00 | .06 | .45 | .51 | -1. |
| -1. | -1. | -1. | -1. | -1. | -1. | .15 | .37 | .14 | | • • • | | | • | • • • | |
| E6624 | - | | | | | | | | | | | | | | |
| -1. | -1. | -1. | -1. | -1. | -1. | -1. | -1. | .00 | .00 | .cc | .07 | .05 | •C5 | .14 | . CO |
| •00 | .04 | .09 | .05 | .04 | .20 | .42 | .01 | .01 | .03 | .01 | .00 | .cc | .00 | .15 | .08 |
| •00 | .50 | .05 | .06 | .16 | .24 | •00 | -1. | -1. | ••• | | | ••• | ••• | • • • | ••• |
| E6736 | | | | | | | | • • | | | | | | | |
| •05 | .00 | .17 | .00 | .08 | .14 | .20 | .27 | .10 | .03 | .12 | .28 | .1C | .06 | .24 | .16 |
| •50 | .43 | .15 | .40 | | 1.00 | •03 | .00 | .05 | .02 | .02 | .05 | .05 | .36 | .09 | .43 |
| .13 | .85 | .57 | .20 | .80 | .15 | .00 | .51 | .25 | • • • | ••- | ••• | , | • 30 | • • • | • |
| E7735 | | | | ••• | ••• | ••• | | • | | | | | | | |
| •03 | .04 | .00 | .02 | .00 | .00 | .00 | .04 | .00 | .00 | .02 | .08 | .05 | .03 | •02 | .08 |
| •24 | .23 | .08 | .15 | .29 | .77 | .31 | -1. | -1. | -1. | -1. | .05 | .01 | •09 | .15 | .19 |
| • C9 | •50 | .20 | .19 | .45 | -1. | .02 | .28 | •09 | | | ••• | ••• | ••, | ••• | • . , |
| £ 7946 | | | • • | • . • | | | • • • | • • • | | | | | | | |
| •27 | .16 | • 04 | .07 | .06 | .11 | .05 | .20 | .05 | .03 | .09 | .17 | .13 | •C2 | -33 | .03 |
| .12 | .15 | .08 | .17 | .75 | .38 | .18 | .00 | .01 | .10 | .22 | .13 | .04 | .18 | .16 | .28 |
| .10 | .54 | •56 | .23 | .70 | .06 | .04 | .28 | .52 | ••• | | ••• | ••• | • • • | • • • | • 20 |
| E8697 | • • • | • • • | ••• | • • • | ••• | ••• | • • • | • / - | | | | | | | |
| •23 | •22 | .01 | .02 | .10 | .02 | .19 | -1. | .13 | .02 | .09 | .21 | .25 | .08 | .10 | -C1 |
| •11 | .10 | •09 | .22 | -1. | -1. | -1. | -i. | .00 | .13 | .07 | .24 | .03 | .21 | .20 | .25 |
| •C5 | .44 | .23 | .14 | •53 | .05 | -1. | .20 | .30 | • | • • • | • • • | •05 | • 2 1 | • 2 0 | • 2 3 |
| E8752 | • | ••• | • • • | • | •02 | • • | • | • 50 | | | | | | | |
| • C6 | • C2 | .10 | .00 | .co | .00 | .00 | .11 | .00 | .00 | .02 | .04 | .22 | .02 | • OC | .23 |
| .00 | .14 | .04 | .04 | .13 | .22 | .10 | .00 | .03 | .01 | .09 | .09 | .00 | .00 | .36 | .15 |
| •00 | .16 | •00 | .05 | .35 | .13 | .00 | .17 | .05 | • • • | • • • | • 0 7 | • • • • | •00 | • 50 | • 1 7 |
| E8832 | ••• | ••• | •05 | • • • • | ••• | •00 | • • • | •07 | | | | | | | |
| •13 | .12 | .25 | .03 | .00 | .04 | •00 | .10 | .00 | •00 | .02 | .05 | .11 | .01 | .10 | .01 |
| •00 | •05 | .15 | .10 | .05 | .16 | .01 | .10 | .04 | .01 | .11 | .04 | .00 | .03 | .14 | .06 |
| .00 | .10 | .08 | .03 | .42 | .10 | .00 | .14 | .05 | .01 | • • • | •04 | ••• | • 0 3 | • 1 7 | • 00 |
| E9049 | ••• | • 0 3 | •03 | • 46 | •10 | •00 | • 2 4 | •07 | | | | | | | |
| .06 | . 04 | .01 | .04 | .00 | .13 | .00 | .20 | .02 | .03 | .00 | .20 | .17 | .10 | .09 | .00 |
| •03 | •09 | .06 | .14 | .22 | .50 | .60 | .20 | .06 | .47 | .23 | .00 | -1. | -1. | -1. | .51 |
| .07 | .75 | .45 | .19 | .60 | .35 | -1. | •22 | .16 | • • • | • 2 3 | •00 | -1. | -1. | -1. | • 91 |
| £ 9221 | • 1) | • 4 / | • 1 7 | •00 | • | - 1 • | • 2 2 | • 10 | | | | | | | |
| .05 | .05 | .19 | .02 | .05 | .07 | .18 | .16 | .07 | .00 | -1. | -1. | -1. | -1. | .19 | .10 |
| .70 | .20 | .05 | .55 | -1. | -1. | -1. | .00 | .07 | .06 | .05 | -1. | .00 | .15 | .15 | .38 |
| •06 | .68 | .80 | •30 | .55 | .10 | .00 | -1. | -1. | •00 | •05 | -1. | • • • • | • 1 3 | . 1) | • 50 |
| £9283 | • 0 6 | • 00 | • 50 | • // | •10 | •00 | - 1 • | | | | | | | | |
| •20 | -1. | -1. | -1. | -1. | -1. | -1. | -1. | -1. | -1. | .00 | .04 | .08 | .01 | -1. | .02 |
| .09 | .08 | .09 | .10 | . 24 | .42 | .10 | .05 | •cz | •00 | .05 | .04 | .00 | .00 | .27 | .02 |
| .00 | .64 | -1. | -1. | -1. | .13 | .00 | .31 | .11 | • 00 | •05 | •04 | • • • • | • 00 | • 2 1 | • 00 |
| £9458 | •04 | | | | • 1 3 | .00 | • 5 1 | • 1 1 | | | | | | | |
| .28 | .35 | •05 | .09 | .02 | .06 | .05 | -14 | -1. | ~1. | -1. | -1. | -1. | -1. | -1. | -1. |
| -1. | -1. | -1. | -1. | -1. | -1. | -1. | -1. | -1. | -1. | -1. | -1. | -1. | -1. | -1. | -1. |
| -1. | -1. | -1. | -1. | -1. | -1. | -1. | -1. | -1. | ٠. | 1.4 | - 1 • | - 1 • | - 1 • | - 1 • | - 1 • |
| E9512 | • • | • • | • | . • | •• | • | ٠. | . • | | | | | | | |
| •09 | • 05 | .37 | .09 | .03 | .02 | .00 | •00 | .12 | .10 | .10 | .16 | .17 | .03 | .21 | • 02 |
| •C2 | •22 | .13 | .20 | .09 | .19 | .09 | .06 | .12 | .40 | .34 | .04 | .05 | .12 | .02 | .02 |
| .01 | .16 | .15 | .13 | .25 | .22 | .00 | .13 | .05 | • 70 | • 54 | • • • | • 0) | • 1.5 | • 02 | • • • |
| L 6 | -10 | • • • | ••• | • | • | • | ••, | •07 | | | | | | | |
| • 08 | .06 | • 02 | .08 | .00 | .14 | .00 | .05 | •00 | .00 | -1. | -1. | -1. | -1. | .26 | .35 |
| .70 | 1.00 | .54 | 1.12 | .13 | .83 | 1.05 | -1. | -1. | -1. | -1. | .05 | -1. | .38 | .21 | .85 |
| .38 | 1.99 | .16 | .02 | .02 | .15 | .10 | -1. | -1. | ٠. | . • | | | • 30 | • 6 1 | • 0) |
| L 10 | ••,, | • • • | • 02 | .02 | ••, | • 10 | . • | • • | | | | | | | |
| •06 | .06 | .01 | .02 | -1. | -1. | •00 | •09 | .00 | •00 | .04 | .53 | .21 | .18 | .14 | .20 |
| • 0., | -00 | -01 | -02 | • • | • • | • 00 | • 0 , | • 00 | •00 | • • • | • / / | • • • | • * 6 | • • • | • 2 0 |

| | .20 | .39 -1. | .35 -1. | .84 -1. | .04 -1. | .56 | •68 •04 | .40 .24 | .05 | •18 | .35 | -1. | .co | •26 | •14 | -1. |
|----|------------|------------|------------|------------|------------|------------|-------------|------------|------------|-------|-------|------------|---------|---------|-------|------|
| L | 11 | | | | | | | | | | | | | | | |
| | .06 | .06 | .02 | .03 | .02 | .08 | .00 | .10 | .00 | .00 | .02 | .42 | .22 | .23 | •15 | . 24 |
| | • 35 | •38 | .14 | .80 | .10 | • 75 | .80 | -18 | -1. | - i . | -1. | -1. | •CC | • 29 | •15 | .60 |
| | | 1.74 | .14 | .01 | .02 | •22 | .08 | .22 | •13 | | | | | | | |
| L | 33 | • | • | | • | | 0.0 | 20 | | 00 | 0.3 | 20 | 2.4 | 0.5 | 2.2 | 0.1 |
| | .06 | • 05 | .01 | .02 | .00 | .17 | .00 | .20 | •00 | •00 | •02 | .28 | •36 | •05 | •22 | .01 |
| | .02 | .14 | •06 | .24 | .36 | .91 | 1.04 | .22 .30 | .06 .42 | • 32 | .21 | -1. | •02 | .13 | .17 | .62 |
| L | -15 46 | 1.40 | .25 | .11 | .45 | • 50 | •04 | • 50 | • 4 2 | | | | | | | |
| L | .06 | .12 | .00 | .02 | .00 | .15 | •00 | .20 | .00 | •00 | .00 | .36 | .25 | .20 | .12 | .14 |
| | • 1 · | .12 | • 05 | | 1.37 | 1.83 | 1.72 | .19 | •09 | .50 | •25 | .00 | .cc | .25 | .39 | .35 |
| | | 2.20 | .90 | | 1.00 | .65 | .05 | .45 | .26 | | | | | | | - |
| L | 52 | | - | | | | | | | | | | | | | |
| | .C5 | .11 | .00 | .05 | .00 | .18 | .00 | .24 | •02 | .03 | .00 | . 37 | .33 | .17 | .15 | .13 |
| | . 14 | .08 | .03 | | | 1.25 | 1.48 | .23 | .10 | .41 | • 30 | .00 | •02 | .24 | •48 | .62 |
| | | 1.97 | .85 | .49 | 1.88 | .66 | -1. | -1. | -1. | | | | | | | |
| L | | 1.0 | 0.3 | 00 | 20 | 1.6 | 00 | 20 | •00 | -04 | -C0 | .27 | -27 | .C8 | .13 | .15 |
| | .07 | .10 | .02 .03 | .09 | .00 | 1.67 | .00 1.78 | .20 .23 | •08 | •32 | .27 | .00 | .00 | .11 | .38 | .64 |
| | .30 | 2.45 | 1.17 | | 1.75 | .70 | .03 | .40 | .19 | • 72 | • 2 1 | •00 | • • • • | • • • • | • 50 | •04 |
| L | 54 | | * • * ' | • 00 | | • . 0 | •03 | • .0 | • • • | | | | | | | |
| _ | -1. | -1. | -1. | -1. | .00 | .12 | .00 | .16 | .00 | .00 | -1. | -1. | -1. | -1. | .10 | .00 |
| | .03 | -1. | -1. | -1. | .14 | .88 | 1.16 | .15 | .10 | .26 | .23 | .00 | • C C | .04 | .09 | .74 |
| | .12 | .82 | .45 | .44 | .76 | .38 | .04 | .26 | • 12 | | | | | | | |
| L | 128 | | | | | | | | | | | | | | | |
| | -1. | -1. | -1. | -1. | .00 | .08 | .00 | .10 | •00 | •02 | •02 | -28 | •26 | •C8 | .12 | . 22 |
| | -1. | -1. | -1. | -1. | .41 | 1.31 | 1.18 | .10 | .11 | -14 | .10 | -1. | .04 | • 52 | . 32 | . 30 |
| | .20 | 1.64 | 1.00 | .60 | 1.25 | .12 | -1. | •30 | •23 | | | | | | | |
| i. | 179 | .00 | .00 | .00 | .00 | .10 | •00 | .18 | •00 | •00 | •03 | .46 | .26 | .22 | •22 | .09 |
| | .10 | .12 | .00 | .14 | •50 | -1. | -1. | •22 | •05 | .12 | .40 | •00 | .06 | .15 | .38 | .8C |
| | .34 | 1.72 | .64 | .07 | .47 | .44 | .01 | .42 | .11 | • | • 40 | •00 | ••• | ••• | • 30 | ••• |
| L | 191 | | • • • | • • • | • , . | • , , | | - / - | • • • | | | | | | | |
| _ | .06 | .06 | • 02 | .02 | .00 | .10 | .00 | -14 | .00 | .00 | .02 | •33 | .21 | .07 | .24 | .03 |
| | .04 | -1. | -1. | -1. | .17 | .54 | .51 | •20 | .04 | .08 | .20 | .00 | .02 | .20 | -1. | .50 |
| | .14 | 1.12 | .16 | .00 | .11 | •15 | •05 | .18 | .07 | | | | | | | |
| Ļ | 213 | | | | | | | | | • | | | | 2.5 | 2.5 | |
| | .07 | .06 | •02 | .00 | .00 | •12 | •00 | .16 | .00 | •00 | -03 | -45 | .18 | .20 | .23 | .C2 |
| | .08 | .17 | .10 | .82 .30 | .13 | •42 •15 | •76 •02 | .22 .16 | •02 •09 | .08 | •36 | -1. | .04 | .20 | .17 | .07 |
| | .06 250 | 1.07 | • 0 4 | • 00 | •00 | • 1) | •02 | • 10 | •07 | | | | | | | |
| L | -1. | -1. | -1. | -1. | .00 | .05 | •00 | .05 | .00 | .00 | .00 | .06 | .05 | .09 | .10 | .co |
| | .00 | .10 | •02 | .12 | .17 | .58 | .82 | •05 | •00 | .10 | .07 | .00 | -1. | -1. | .06 | .3C |
| | .05 | .75 | .26 | .21 | .60 | .23 | .02 | .30 | .11 | | | | | | | |
| L | 259 | | | | | | | | | | | | | | | |
| | •C5 | .04 | • 02 | .08 | .00 | .13 | •00 | • 12 | .00 | •00 | • C 2 | . 35 | .37 | . C 5 | .28 | .12 |
| | .08 | .19 | .06 | •50 | .40 | . 34 | -68 | .28 | .10 | .31 | • 2 e | • 0 5 | .02 | .20 | .24 | . 45 |
| | .14 | 1.48 | .18 | .04 | .16 | • 08 | •06 | -18 | • C % | | | | | | | |
| L | 292 | 1.0 | - 3 | 0.5 | 0.1 | .07 | 0.0 | .08 | 0.0 | •00 | 0.0 | 3 2 | 20 | .06 | .18 | .15 |
| | -1. | .10 -1. | .52 -1. | .05 -1. | .00 .26 | .84 | •00 •73 | .26 | .00 | .14 | .00 | •32 •02 | .3e | .16 | .15 | .64 |
| | .15 | | .16 | .05 | .40 | .19 | .06 | .16 | .10 | | • • • | - 0 2 | | - 1 0 | • • / | |
| L | 303 | | - • • • | | | / | .,,, | | | | | | | | | |
| _ | .07 | .05 | .00 | . 05 | .00 | .06 | .00 | .16 | .00 | • 00 | .00 | .46 | .28 | .16 | .16 | .04 |
| | . C 7 | .14 | • n 1 | .22 | .32 | .84 | .90 | .20 | .02 | • 1 5 | . 36 | .00 | .05 | .14 | . 34 | .68 |
| | .14 | 1.52 | .29 | .03 | •12 | .30 | .08 | . 30 | .08 | | | | | | | |
| L | 372 | | | | | _ | | | | | | | | • • | | |
| | . l ü | .04 | .06 | .04 | .00 | -12 | •00 | -08 | •02 | •C3 | • C C | .24 | • 2 C | • C8 | -15 | .00 |

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| 4 | 103 | 1968 | | | | | | | • • | | | | | | | |
| | .15 | .19 | .20 | | •40 | •45 | .10 | -40 | • 24 | •02 | •22 | .44 | .15 | .06 | •60 | .18 |
| | | 1.00 | | 1.45 | | •45 | •27 | •00 | •09 | • 45 | .45 | .07 | .10 | .85 | .17 | .60 |
| | • 25 | | 1.18 | . 75 | .85 | .30 | •00 | .83 | •52 | | | | | | | |
| M | 104 | 1968 | -69 | | | | | | | | | | | | | |
| | .13 | .13 | .10 | .14 | .38 | .30 | .08 | .45 | •09 | .03 | .23 | .25 | .3C | .10 | .37 | .03 |
| | . 35 | -1. | -1. | -1. | -1. | -1. | -1. | •00 | •20 | .20 | .55 | .03 | •C3 | .47 | .16 | .48 |
| | .20 | .65 | .98 | .35 | .67 | .18 | .05 | .60 | •30 | | | | | | | |
| M | 124 | | | | • • • | | • | | 100 | | | | | | | |
| | .07 | •09 | .08 | .04 | -1. | -1. | .00 | .12 | •00 | .00 | •00 | .19 | .13 | .05 | .06 | .00 |
| | .08 | .30 | .08 | .23 | .27 | | .83 | .12 | | .15 | .03 | .05 | .cc | | .16 | .07 |
| | | | | | | .71 | | | •03 | • 15 | • 0 3 | • 0 5 | • • • • | .05 | •10 | • • • |
| | | 2.05 | •46 | .17 | .83 | .33 | •07 | •30 | •11 | | | | | | | |
| M | 225 | 1968 | | | | | | | | | | | | | | |
| | -1. | -1. | -1. | -1. | • 05 | .20 | •00 | •22 | •03 | .01 | .13 | | -18 | • 02 | .27 | • 70 |
| | .17 | .34 | | 1.05 | .38 | •93 | • 05 | •20 | •08 | •22 | .18 | •06 | •08 | .40 | •28 | .67 |
| | • 06 | 1.48 | .00 | .00 | .78 | •05 | .13 | •65 | •50 | | | | | | | |
| • • | 226 | 1968 | -69 | | | | | | | | | | | | | |
| | .13 | .17 | .08 | .07 | .00 | .18 | -1. | .23 | •00 | .00 | .05 | .37 | .11 | .11 | -1. | -1. |
| | -1. | -1. | .30 | .30 | .30 | .41 | .08 | .25 | •05 | •32 | .13 | .10 | .10 | .78 | .12 | .62 |
| | | 1.20 | .00 | .10 | .70 | .03 | .13 | .92 | .24 | | | | | | | |
| м | 228 | 1968 | | | • • • | | • • • • | • • • | • | | | | | | | |
| | .12 | .18 | •05 | .06 | .00 | •25 | •00 | .30 | •04 | .01 | .14 | .41 | .22 | .05 | . 24 | .37 |
| | .35 | .65 | .31 | .63 | | 1.13 | .23 | .26 | | .27 | .23 | •05 | .13 | •50 | .33 | .90 |
| | | | | | | | | | •13 | • 21 | • 2 3 | • 05 | •13 | • 50 | • 33 | . 90 |
| | | 1.84 | .05 | • 05 | 1.20 | .07 | .10 | •75 | • 58 | | | | | | | |
| M | 230 | 1958 | | | | | | | | | | | | | | |
| | • 25 | .16 | .14 | .10 | .00 | .23 | .00 | .20 | .01 | .02 | .06 | .50 | -20 | • 05 | | .33 |
| | | 1.35 | •22 | | 1.09 | | •76 | .16 | •04 | •20 | •19 | .10 | •15 | •55 | •46 | •57 |
| | .18 | 2.56 | 1.00 | • 70 | 1.55 | .18 | .12 | .97 | •57 | | | | | | | |
| N | А | 1968 | -69 | | | | | | | | | | | | | |
| | .17 | .13 | -1. | -1. | .04 | .28 | .09 | .36 | .08 | .07 | .18 | .30 | .16 | .10 | .31 | • 32 |
| | . 92 | 1.00 | .32 | .87 | 1.05 | 1.74 | .86 | .25 | .05 | .22 | | -1. | .21 | .76 | .30 | -1. |
| | | 1.76 | -1. | | 1.15 | •09 | | 1.49 | •55 | | | - | | • | | |
| N | В | 1968 | | | | ••• | • - | | | | | | | | | |
| . • | .10 | -1. | -1. | .05 | .00 | •20 | .00 | .27 | .00 | .01 | .20 | .31 | -16 | .07 | •36 | •21 |
| | .51 | .13 | .27 | .45 | .42 | .64 | .05 | •22 | .10 | .25 | .17 | .09 | .12 | .57 | .16 | •53 |
| | | | | | | | | | | • 2 3 | • 1 (| •03 | • 1 2 | • 51 | •10 | • 23 |
| | | 1.36 | .00 | •05 | .88 | .03 | .23 | .54 | •29 | | | | | | | |
| Ŋ | 1 | 1968 | | | | | | | | | | | | | | |
| | .18 | • 14 | • 03 | •07 | .07 | . 15 | •07 | -19 | .16 | .03 | •10 | | -14 | .04 | .19 | .03 |
| | •11 | • 06 | • 05 | .15 | .67 | .20 | •10 | •00 | •01 | •09 | .15 | .26 | •02 | .19 | • 09 | .27 |
| | .03 | •30 | .13 | .08 | .44 | • 06 | •09 | •35 | • 35 | | | | | | | |
| N | 2 | 1968 | -69 | | | | | | | | | | | | | |
| | .18 | .15 | .10 | • 05 | .07 | •13 | .16 | •09 | .14 | .01 | .26 | .27 | .22 | .17 | .29 | .24 |
| | .80 | •28 | .07 | .28 | •58 | .49 | •09 | .03 | .01 | -1. | -1. | .22 | -1. | -1. | .25 | • 56 |
| | .16 | .97 | .27 | .20 | .49 | .06 | .22 | .76 | •53 | | | | | | | |
| N | 3 | 1968 | -69 | | | | | | | | | | | | | |
| | .21 | .22 | .08 | .13 | .05 | .12 | .06 | .26 | .07 | .01 | .04 | .26 | .13 | .11 | .25 | .17 |
| | .33 | .26 | .04 | .36 | .38 | .33 | .13 | •03 | .04 | .15 | .18 | .14 | .07 | .23 | .15 | .40 |
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| | •08 | .75 | .39 | -18 | . 79 | •08 | • 25 | •40 | .44 | | | | | | | |
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| N | 6 | 1968 | -69 | | | | | | | | | | | | | |
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| | • 31 | .25 .08 | .27 | •10 | •15 | .13 | .27 | •09 | .02 | -04 | .18 | .17 | .13 | .24 | •06 |
| | •22 | .32 .12 | .38 | •38 | • 35 | •10 | .10 | •03 | •19 | • 30 | .15 | .07 | •09 | .15 | .38 |
| | .11 | .72 .30 | •19 | •52 | .05 | •20 | •22 | •51 | | | | | | | |
| S | 202 | 1968-69 | | | | | | | | | | | | | |
| | .22 | .15 .08 | .11 | .08 | .10 | .21 | .30 | .05 | •04 | .05 | .25 | .10 | .07 | .26 | .17 |
| | .39 | .33 .13 | •29 | •55 | .35 | .27 | .06 | .01 | .23 | .25 | .13 | •05 | .23 | .15 | .43 |
| | .10 | .98 .57 | .18 | -50 | •13 | .08 | .43 | •50 | | | | | | | |
| ς | 203 | 1968-69 | | • • • | • • • • | ••• | • • • | | | | | | | | |
| • | .33 | .22 .12 | .13 | .10 | .15 | .15 | •30 | .18 | .06 | •05 | •25 | .21 | .12 | .35 | .13 |
| | .38 | .35 .10 | .34 | .49 | .47 | .19 | .06 | .03 | .21 | | .15 | .06 | .15 | .17 | .42 |
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| _ | .05 | .67 .28 | .16 | •42 | •08 | .41 | .33 | •40 | | | | | | | |
| 5 | 204 | 1968-69 | | | | | | | | | _ | | | | |
| | • 24 | .24 .08 | .17 | • 05 | .17 | •10 | • 32 | .08 | •02 | .04 | .30 | .16 | .10 | •27 | .23 |
| | • 35 | .28 .04 | • 36 | • 39 | • 34 | • 14 | •04 | •05 | .16 | .18 | •12 | .06 | •27 | • 2 C | •41 |
| | -10 | .88 .54 | .29 | • 55 | .08 | .17 | .32 | •52 | | | | | | | |
| S | 205 | 1968-69 | | | | | | | | | | | | | |
| | .35 | .16 .16 | • 05 | •15 | .13 | .22 | .06 | • 25 | •05 | .05 | .29 | .22 | .14 | .27 | .10 |
| | .40 | .23 .06 | .21 | -1. | -1. | -1. | .10 | .00 | .16 | .19 | .15 | .05 | .21 | .23 | .43 |
| | .13 | .54 .33 | .13 | .45 | .07 | .18 | .40 | .37 | • • • | • • • | • • • • | | • | • | |
| c | 206 | 1968-69 | • • • • | • • • | • • • | • • • | • .0 | • - | | | | | | | |
| , | .17 | .24 .10 | .03 | • 05 | .14 | .08 | .22 | •17 | .04 | .25 | .37 | .14 | .15 | .40 | . 96 |
| | .62 | | .02 | | .34 | | .27 | | | | .12 | .14 | | | |
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| 2 | 208 | 1968-69 | | | | | | | | | | _ | | | |
| | .10 | .12 .05 | .05 | • 00 | .08 | .00 | .20 | •00 | .01 | •09 | • 40 | .16 | .00 | •22 | .18 |
| | .18 | .59 .18 | 1.43 | •48 | .79 | •12 | .30 | -10 | .21 | •12 | • 05 | .1C | •36 | •46 | •67 |
| | .02 | 1.51 .01 | •08 | 1.10 | •02 | .03 | •40 | •40 | | | | | | | |
| S | 209 | 1968-69 | | | | | | | | | | | | | |
| | .10 | .14 .05 | .07 | •00 | .10 | .00 | .26 | •00 | .02 | .08 | .45 | .18 | .CO | .21 | .07 |
| | .16 | .75 .28 | 1.81 | .62 | .83 | .15 | .28 | .02 | .16 | .20 | .03 | .10 | .33 | •25 | . 73 |
| | | 1.59 .02 | .06 | .91 | .05 | .00 | •36 | •30 | | | | • | • | | |
| ς | 210 | 1968-69 | • • • • | • • • | ••• | ••• | | • | | | | | | | |
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| _ | | 2.23 .05 | •08 | 1.30 | .10 | .00 | .80 | • 40 | | | | | | | |
| 2 | 211 | 1968-69 | | | | | | | | | | | | | |
| | .11 | .16 .06 | . 05 | • 04 | • 20 | •00 | •32 | •01 | .02 | .10 | • 32 | .17 | •03 | .31 | .25 |
| | .37 | .28 .31 | .74 | • 45 | .75 | • 05 | •20 | • 05 | • 25 | .19 | .10 | .11 | .40 | .14 | .71 |
| | | 1.31 .00 | . 05 | .78 | • 05 | • 15 | .75 | •55 | | | | | | | |
| S | 212 | 1968-69 | | | | | | | | | | | | | |
| | .24 | .25 .11 | .10 | • 04 | .27 | •06 | .43 | •00 | •02 | •22 | •53 | .28 | .14 | .44 | 1.27 |
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| | .15 | 2.35 .22 | . 45 | 1.62 | .12 | • 30 | 1.50 | 1.20 | | | | | | | |
| S | 215 | 1968-69 | | | | | | | | | | | | | |
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| | .17 | .67 .02 | .23 | • 35 | .04 | • 25 | .89 | • 5 | | | | | | | |
| 5 | 221 | 1968-69 | | | | | | | | | | | | | |
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| E0442 | 1969 | -70 | | | | | | | | | | | | | |
|------------|-------|------|-------|-------|-------------|------|-----|-------------|-----|------|------|-----|-------|-------|------|
| .08 | •09 | .00 | .00 | .01 | .00 | •00 | .12 | 4 05 | .02 | .09 | .30 | .cc | .02 | .00 | .32 |
| .00 | .01 | .00 | .01 | • 04 | .30 | | | _ | | | | | | | |
| E1142 | | | | | | | | | | | | | | | |
| .23 | • 02 | •08 | .17 | .16 | .24 | .02 | .07 | • 30 | .36 | .36 | .00 | .17 | .25 | .32 | .10 |
| .24 | .07 | .43 | .05 | .26 | .88 | | | | | | | | | | |
| E1253 | | | | | | | | | | | | | | | |
| .25 | .30 | •03 | .02 | .25 | .17 | •04 | .13 | .10 | .08 | .05 | .45 | .05 | .65 | .55 | .51 |
| .11 | .18 | .01 | .03 | • 32 | -1. | | | | | | | | | | |
| E1682 | | | | | | | | | | | | | | | |
| .00 | .16 | •00 | •00 | •00 | .20 | •04 | .10 | .04 | .03 | .15 | .58 | .cc | .24 | .3C | • 15 |
| .04 | .45 | •00 | .21 | .37 | .72 | | | | | | | | | | |
| E1743 | | | | | | | | | | | | | | | |
| .15 | .03 | • 00 | .00 | .09 | .05 | .00 | •05 | .07 | •02 | .09 | .33 | .05 | .08 | .25 | .39 |
| .03 | .11 | .09 | .00 | .04 | .63 | | | | | | | | | | |
| E3465 | | | | | | | | | | | | | | | |
| .00 | .28 | .00 | .05 | .06 | .13 | .00 | .69 | .50 | .35 | .32 | -1. | -1. | -1. | -1. | -1. |
| -1. | -1. | -1. | -1. | -1. | -1. | | | | | | | | | | |
| E3751 | | | | | | | | | | | | | | | |
| .00 | .11 | •00 | • 05 | •00 | •21 | •02 | .07 | .04 | •05 | .20 | .74 | .CC | .17 | .28 | •03 |
| .00 | •50 | • 00 | .19 | •22 | •90 | | | | | | | | | | |
| E4144 | | | | | | | | | | | | | | | |
| .38 | -11 | • 00 | .00 | •15 | -11 | .04 | -1. | -1. | -1. | -1. | -1. | .07 | .06 | .67 | • 68 |
| .11 | .30 | -1. | -1. | -1. | .85 | | | | | | | | | | |
| E4767 | | | | | | | | | | | | | | | |
| -1. | -1. | •00 | •00 | •13 | •07 | •02 | •00 | •02 | •11 | .10 | .22 | .03 | .03 | .12 | . 34 |
| .05 | .12 | .10 | .00 | .02 | •48 | | | | | | | | | | |
| E4867 | | | | | | | | | | | | | | | |
| • 04 | .30 | -1. | -1. | •21 | -17 | •03 | •13 | .07 | .04 | .15 | 1.24 | -1. | .84 | .56 | .09 |
| •00 | .24 | .00 | .00 | .12 | 1.34 | | | | | | | | | | |
| E5098 | | | | | | | | | | | | | | | |
| •00 | •06 | •00 | .03 | . 05 | •06 | .00 | .37 | .20 | .07 | . 25 | .08 | .05 | .01 | .01 | .28 |
| .01 | • 05 | •03 | .03 | .20 | •30 | | | | | | | | | | |
| E5151 | | | | _ | _ | | | | | | | | | | |
| .15 | • 02 | •00 | • 00 | -1. | -1. | .05 | •00 | .00 | .00 | .00 | • 33 | .01 | .15 | •00 | -08 |
| .00 | •00 | •07 | .04 | •02 | • 42 | | | | | | | | | | |
| E5184 | | | | 2.5 | | | | _ | | | | | | | |
| • 05 | -01 | -27 | .19 | .25 | •30 | -1. | -1. | -1. | -1. | -1. | •00 | .15 | •30 | •3C | • CO |
| .04 | • 04 | .11 | .10 | -28 | 1.02 | | | | | | | | | | |
| F5756 | | ~~ | 00 | | | 00 | | | | | | | • • | | |
| .00 | -1. | •00 | .00 | -1. | -1. | •00 | -1. | -1. | -1. | -1. | •03 | •cc | .04 | .05 | •11 |
| .00 | .08 | •00 | .00 | .04 | .16 | | | | | | | | | | |
| 6006 08 | •09 | • 05 | .05 | • 06 | 21 | •00 | 10 | 0.2 | 07 | 12 | | 0.3 | - 1 | _ 1 | |
| •65 | • 55 | •07 | .05 | | .21 1.15 | •00 | •10 | •02 | •04 | .13 | • 46 | .03 | -1. | -1. | .48 |
| 6624 | • 27 | •01 | . 04 | • 10 | 1.13 | | | | | | | | | | |
| •00 | .03 | •00 | .00 | .00 | •02 | .00 | .00 | .00 | .00 | .00 | .06 | .cc | .07 | .07 | . 02 |
| •00 | .07 | •00 | .15 | •09 | •08 | • 00 | •00 | • 00 | •00 | •00 | • 00 | •00 | • 0 7 | . 0 1 | • 02 |
| • 00 | • 0 , | • 00 | • 1) | • • • | • 0 0 | | | | | | | | | | |

| E6736 | | | | | | | | | | | | | | | |
|------------|-------------|------------|------------|------------|-------------|-----|-----|-----|-------|------|---------|-------------|-------|------|-------|
| -1. | -1. | .00 | .23 | .10 | .35 | •02 | .05 | -10 | .06 | .09 | .05 | .12 | .11 | .23 | .39 |
| • 05 | .13 | .19 | .12 | .10 | .85 | | | | | | | | | | |
| £7735 | | | | | | | | | | | | | | | |
| •09 | .01 | • 00 | •09 | .08 | •20 | .03 | •02 | •05 | •02 | .03 | •50 | .cc | .53 | •32 | .20 |
| .10 | .20 | • 04 | .00 | .07 | -1. | | | | | | | | | | |
| £7946 | 22 | 0.3 | 0.1 | 1.2 | 21 | 04 | 24 | 15 | 10 | 1.6 | 0.1 | . C6 | 00 | | 2. |
| .43 .24 | .23 | •02 •06 | •01 •02 | .12 | .21 .78 | •04 | •26 | .15 | .10 | .14 | .01 | •00 | .08 | •66 | • 36 |
| E8697 | • 1 4 | • 00 | • 02 | •00 | • 10 | | | | | | | | | | |
| •35 | .29 | .04 | .04 | .14 | .14 | .04 | .20 | .08 | .05 | .03 | •00 | .03 | .09 | .3C | .30 |
| •03 | .09 | -1. | -1. | -1. | -1. | ••• | | | ••• | ••• | ••• | | ••• | ••• | • > 0 |
| E8752 | | - | | | | | | | | | | | | | |
| -1. | .07 | .00 | -1. | -1. | -1. | .01 | .00 | .02 | .00 | .06 | .30 | .0C | .04 | .00 | .30 |
| •00 | .03 | .00 | .00 | .00 | .17 | | | | | | | | | | |
| E8832 | | | | | | | | | | | | | | | |
| • 00 | . 05 | •00 | •00 | • 02 | •00 | •00 | .25 | .04 | .06 | .18 | •09 | .cc | .06 | .12 | •20 |
| •00 | • 05 | .00 | .00 | .17 | .10 | | | | | | | | | | |
| E9049 | 0.7 | 00 | 0.5 | 20 | 1.3 | 00 | 04 | 00 | 05 | 10 | , - | | 25 | 25 | 1.5 |
| .00 .13 | •07 •35 | .00 | .05 .08 | .09 | .12 | •00 | •04 | •00 | .05 | .10 | .45 | •cc | •25 | •25 | .15 |
| E 9221 | • 3 7 | • 03 | • 00 | • 5 / | • 30 | | | | | | | | | | |
| -1. | -1. | -1. | -1. | -1. | -1. | -1. | .00 | .06 | .10 | .1C | -1. | .08 | .10 | .13 | .30 |
| •00 | .04 | .15 | .13 | .31 | .75 | | ••• | ••• | ••• | ••• | | ••• | ••• | ••• | • 50 |
| E9283 | - | | | - | - | | | | | | | | | | |
| -1. | -1. | -1. | -1. | -1. | -1. | -1. | -1. | -1. | -1. | -1. | -1. | -1. | -1. | -1. | -1. |
| -1. | -1. | -1. | -1. | -1. | -1. | | | | | | | | | | |
| E9458 | | | | _ | | | | | | | | | | | |
| • 26 | .05 | •09 | .00 | . 34 | .31 | .00 | .06 | .20 | .17 | .22 | .30 | -1. | .05 | •22 | .73 |
| .05 | •06 | • 04 | .03 | .13 | .83 | | | | | | | | | | |
| E9512 | 0.7 | 00 | | 00 | 0.0 | 00 | | | 00 | | | | | | ٠. |
| •00 | •07 | •00 | .00 .03 | •09 •07 | •08 •22 | •00 | .12 | .18 | •09 | -11 | .07 | -1. | .00 | •00 | .24 |
| .C1 | .00 1969 | | • 03 | •01 | • 2 2 | | | | | | | | | | |
| .07 | •25 | •00 | • 04 | .11 | .41 | .07 | .11 | .02 | .05 | - 08 | 1.00 | -1. | -1. | -1. | -1. |
| •07 | .40 | .02 | .00 | | 1.65 | ••• | ••• | •02 | •03 | •00 | 1.00 | • • | • | • | |
| L 10 | 1969 | | | • • • | | | | | | | | | | | |
| .07 | .15 | .00 | .04 | .06 | .20 | •02 | -1. | -1. | -1. | -1. | .54 | .cc | .19 | .28 | .00 |
| •00 | .22 | .00 | .00 | .01 | 1.52 | | | | | | | | | | |
| L 11 | 1969 | -70 | | | | | | | | | | | | | |
| • 04 | .11 | • 00 | .03 | .05 | .16 | •02 | •09 | •04 | •06 | .06 | •52 | .cc | .25 | .30 | .01 |
| •00 | .08 | • 02 | • 00 | •10 | 1.43 | | | | | | | | | | |
| L 33 | 1969 | | 0.3 | 0.2 | 2.6 | 00 | 0.7 | 0.5 | ٥, | | 0.3 | | | 25 | |
| •00 •02 | •15 •67 | .00 | .03 | .02 | .24 1.02 | .00 | .07 | .05 | .04 | .15 | •92 | .cc | .21 | • 25 | .08 |
| L 46 | 1969 | | 1.30 | • 5 7 | 1.02 | | | | | | | | | | |
| •03 | | | .06 | -07 | -14 | -00 | -07 | -00 | -04 | -07 | .59 | -1. | . 21 | -60 | . 26 |
| •91 | | .08 | .17 | | 1.48 | | | | ••• | ••• | • • • • | •• | | ••• | |
| L 52 | 1969 | -70 | | | | | | | | | | | | | |
| -1. | -1. | .00 | .06 | .03 | -20 | -01 | -08 | .02 | .04 | .10 | •52 | .00 | .32 | -1. | .10 |
| • 02 | -62 | • 04 | .15 | .30 | .57 | | | | | | | | | | |
| L 53 | 1969 | | | _ | | | _ | | | | | | | | |
| • 05 | .10 | .00 | •05 | •04 | •22 | •00 | •08 | •02 | •03 | •08 | .70 | •02 | .25 | • 74 | .21 |
| -04 | .58 | .05 | .13 | .47 | •75 | | | | | | | | | | |
| L 54 | 1969 -1. | | 0.3 | 0.3 | 17 | 0.1 | 0.0 | 0.3 | .05 | 1.4 | 9.3 | 0.4 | | 22 | 24 |
| •04 | -1. | •00 | .02 .03 | •02 •42 | •17 •42 | .01 | •08 | •02 | • 0 7 | -14 | •83 | .04 | .17 | • 32 | .26 |
| L 128 | 1969 | | • 0 5 | • 72 | • 74 | | | | | | | | | | |
| .00 | .03 | .00 | -1. | .07 | .15 | .03 | -1. | -1. | -1. | -1. | . 45 | .02 | .16 | .20 | .43 |
| .17 | .34 | .07 | .30 | .22 | .99 | | | | •• | | - ,- | - | - • - | | |
| | | | | | | | | | | | | | | | |

| L 179 | 1969- | | 0.3 | 00 | 25 | 00 | 0.7 | ۰. | 0.2 | | 27 | C 0 | 20 | •51 | .57 |
|-------|-------|------|------|-------|------|-----|-----|-------|-----|-------|------|---------|-------|-------|-------|
| •00 | | •00 | .03 | .00 | .25 | .00 | .07 | .04 | .02 | •12 | .24 | .co | .20 | • 21 | • > 1 |
| •18 | | .08 | .18 | . 39 | 1.20 | | | | | | | | | | |
| L 191 | 1969- | | | • • | • | | | | | | • | • | 2.2 | 2. | 2.0 |
| • 00 | - | •00 | .03 | .CO | •06 | •00 | .08 | .02 | •02 | .C8 | .26 | • C C | • 23 | .24 | .20 |
| -14 | | • 00 | .00 | .24 | .81 | | | | | | | | | | |
| L 213 | 1969- | | | _ | _ | | | | | | | | | | |
| •02 | | .00 | • 95 | .04 | .14 | .00 | .10 | .00 | .05 | .10 | .29 | • C C | •50 | •24 | .cc |
| •00 | | .00 | .00 | .04 | 1.16 | | | | | | | | | | |
| L 250 | 1969- | 70 | | | | | | | | | | | | | |
| • CO | • 05 | •00 | .00 | .00 | .04 | •00 | .00 | •00 | •00 | •00 | • 35 | .CC | • 20 | .15 | .04 |
| •00 | .15 | .00 | .10 | .18 | .36 | | | | | | | | | | |
| L 259 | 1969- | 70 | | | | | | | | | | | | | |
| •00 | .16 | .00 | .00 | .02 | .16 | .02 | .12 | •06 | .07 | .33 | .62 | .cc | .20 | .31 | .17 |
| - C4 | .44 | .00 | .22 | .32 | .76 | | | | | | | | | | |
| L 292 | 1969- | 70 | | | | | | | | | | | | | |
| .05 | -1. | .00 | .00 | .03 | .25 | .03 | .08 | •03 | .05 | .10 | .65 | .CO | -1. | -1. | .06 |
| .17 | | .01 | .03 | | 1.15 | | | | | | | | | | |
| L 303 | 1969- | | | | | | | | | | | | | | |
| •00 | | •00 | .02 | .02 | .27 | •00 | .08 | .04 | .01 | -11 | .16 | .cc | .40 | .31 | .25 |
| .20 | | .02 | .10 | | 1.09 | ••• | | ••• | ••• | ••• | ••• | ••• | • | | |
| L 372 | 1969- | | ••• | • • • | , | | | | | | | | | | |
| •00 | - | •00 | -1. | -1. | -1. | .04 | .04 | .00 | .03 | •09 | .56 | .cc | .13 | .17 | .14 |
| .01 | | .08 | .18 | .17 | .86 | •07 | •04 | •00 | •05 | •0, | •)0 | • • • • | • 1) | • • • | • • • |
| L 434 | 1969- | | • 10 | | • 00 | | | | | | | | | | |
| -1. | - | •00 | .00 | .06 | •22 | .04 | •09 | .03 | .02 | .12 | .86 | .cc | .46 | .65 | .28 |
| | | | | | | •04 | •09 | • 0 3 | •02 | • 1 2 | . 00 | • • • • | . 40 | • 0 5 | • 4 6 |
| • 26 | | .02 | .08 | .28 | .73 | | | | | | | | | | |
| L 435 | 1969~ | | 0.0 | 1.0 | 1. | 0.7 | 0.0 | ٠. | 0.3 | 0.0 | 0.0 | | , | , | 1.0 |
| •06 | | .00 | .00 | .12 | .16 | .07 | .08 | •04 | .03 | • C 8 | .80 | .cc | -1. | -1. | .10 |
| .06 | | .00 | •00 | .06 | 1.46 | | | | | | | | | | |
| L 451 | 1969- | | | • • | | | | | | | | | | | |
| •00 | | •00 | •00 | .12 | .07 | •03 | •00 | •00 | .04 | .12 | .25 | -1. | -1. | -1. | -1. |
| -1. | | -1. | -1. | -1. | •77 | | | | | | | | | | |
| L 458 | 1969- | | | | | | | | | | | | | | |
| -1. | | •00 | •03 | .17 | •15 | •05 | •09 | •02 | •02 | -11 | .79 | • C C | .35 | .36 | • 25 |
| .00 | | • 02 | .00 | .06 | •90 | | | | | | | | | | |
| L 466 | 1969- | 70 | | | | | | | | | | | | | |
| • C O | .16 | •00 | • 05 | .03 | •32 | •03 | •04 | •02 | .03 | .07 | .90 | •cc | .23 | •28 | . C7 |
| .00 | .22 | .00 | .47 | .38 | .60 | | | | | | | | | | |
| L 694 | 1969- | 70 | | | | | | | | | | | | | |
| -1. | .14 | -00 | .07 | .02 | -11 | •00 | •03 | •00 | •06 | .10 | • 55 | .cc | .40 | .27 | -20 |
| .00 | .28 | .01 | .05 | .18 | .87 | | | | | | | | | | |
| L1017 | | | | | | | | | | | | | | | |
| .00 | .07 | .00 | -1. | -1. | -1. | -1. | .00 | .00 | .00 | .00 | .30 | .cc | .06 | -14 | .05 |
| .01 | .16 | .03 | .02 | .22 | .30 | | | | | | | | | | |
| L1074 | | | | | | | | | | | | | | | |
| • 05 | .16 | .00 | .00 | .07 | .30 | .00 | .04 | .00 | .04 | .08 | .66 | . C C | .20 | . 34 | .28 |
| .42 | .35 | .14 | .23 | .36 | .67 | | | | | | | | | | |
| L1107 | | | | | | | | | | | | | | | |
| .04 | .11 | .00 | -1. | -1. | -11 | .00 | .04 | .03 | .04 | .11 | .37 | .cc | .30 | .23 | .25 |
| .00 | .20 | .04 | .02 | .27 | .75 | | | | | | | | | | |
| L1108 | - | | | | | | | | | | | | | | |
| •C0 | .03 | .00 | .00 | .00 | .04 | .00 | .00 | .00 | .00 | .00 | .10 | -1. | -1. | -1. | -1. |
| -1. | | -1. | -1. | -1. | .36 | - | | | - | | • | | - | - | - |
| L1181 | - • | | | | | | | | | | | | | | |
| .05 | .16 | .00 | -1. | .04 | .23 | .01 | .07 | .05 | .09 | .15 | .67 | .cc | .36 | .26 | . C2 |
| .08 | .16 | .00 | . 34 | .28 | .86 | | | | | | | | | | |
| M 100 | ••• | | • | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | |

| M | 101 | 1969-70 | | | | | | | | | | | | | |
|------|------|----------|-------|---------|-------|--------|-------|-------|-------|---------|-------|-------|---------|-------|---------|
| | -1. | -100 | .00 | • 02 | .15 | .06 | .30 | .70 | .38 | .65 | .00 | .78 | -1. | -1. | -1. |
| | -1. | -11. | -1. | -1. | 1.30 | | | | | | | | | | |
| Μ | 102 | 1969-70 | | | | | | | | | | | | | |
| | -1. | -113 | .00 | .15 | .26 | .03 | .20 | .65 | .30 | .8C | .00 | .11 | .15 | .21 | . 45 |
| | . CO | .02 .27 | .02 | .28 | 1.33 | | | | | | | | | | |
| M | 103 | 1969-70 | | | | | | | | | | | | | |
| | .20 | .05 .16 | .00 | .35 | .35 | .05 | .38 | .59 | .40 | 1.25 | .00 | .17 | .25 | .30 | . 65 |
| | .12 | .19 .55 | .17 | | 1.22 | | | | | | | | | | |
| M | 104 | 1969-70 | | | | | | | | | | | | | |
| | • 30 | .09 -1. | -1. | -1. | -1. | • 05 | .13 | .25 | . 25 | •55 | .00 | -1. | .07 | .86 | .58 |
| | .07 | .22 .06 | .02 | | 1.07 | | | | | | | | | | |
| м | 124 | 1969-70 | | | | | | | | | | | | | |
| | .00 | .15 .00 | .01 | .10 | .03 | .02 | .02 | .01 | .02 | .05 | .32 | .cc | .35 | .22 | . 34 |
| | .15 | .41 .14 | -1. | -1. | .85 | | | | | ••• | *** | | • • • • | | • • • • |
| M | 225 | 19:9-70 | | | | | | | | | | | | | |
| | .74 | .15 .06 | .02 | .20 | .17 | .00 | .13 | .09 | .10 | .13 | -1. | .10 | .68 | .09 | -65 |
| | • 02 | .28 .17 | .11 | | 1.20 | | | | | | | | • | | |
| M | 226 | 1969-70 | | | , | | | | | | | | | | |
| | .34 | .33 .10 | .07 | .39 | .26 | .04 | .19 | .14 | .15 | .25 | -1. | -1. | .70 | .25 | .27 |
| | .15 | .11 -1. | -1. | -1. | .88 | | • • • | • • • | • • • | • • • • | • • | • • | • • • | *** | • • • |
| M | 228 | 1969-70 | | | | | | | | | | | | | |
| | •92 | .22 .07 | .02 | .55 | •25 | .00 | .17 | .12 | .10 | .12 | .70 | .10 | .75 | .21 | .57 |
| | .04 | .15 .09 | .08 | | 1.36 | | | | | ••• | • • • | | | | • > . |
| μ | 230 | 1969-70 | ••• | | | | | | | | | | | | |
| | .70 | .50 .06 | • 02 | .75 | .28 | •04 | .15 | .18 | .10 | .12 | .80 | . 03 | 1.00 | .32 | .79 |
| | .10 | .57 .02 | .02 | | 1.75 | •04 | • | •10 | | • • • | •00 | •03 | 1.00 | • 72 | • • • |
| ٠, | Ā | 1969-70 | •02 | • 50 | , | | | | | | | | | | |
| • | .55 | .72 -1. | -1. | -1. | -1. | .04 | .14 | .10 | .04 | .07 | .22 | .08 | -1. | -1. | -1. |
| | .15 | .16 .09 | .14 | .30 | .66 | •07 | • 1 4 | • 10 | •04 | •01 | • 2 2 | •06 | 1. | - 1 • | -1. |
| N | | 1969-70 | • 1 7 | • 50 | •00 | | | | | | | | | | |
| ., | .37 | .22 .13 | .03 | .54 | .13 | .01 | .17 | .11 | .12 | .16 | .43 | .13 | .59 | .38 | .35 |
| | .25 | .13 .06 | .01 | | 1.25 | •01 | • 1 1 | • 1 1 | • 1 2 | • 10 | • 4 3 | • 13 | • 2 7 | • 50 | • 33 |
| N | 1 | 1969-70 | • 0 1 | • 20 | 1.27 | | | | | | | | | | |
| | .37 | .25 .02 | .01 | .17 | .18 | •03 | .19 | .14 | .12 | .12 | .00 | .14 | .09 | .36 | 5.0 |
| | .10 | .13 .06 | .00 | .15 | .91 | •05 | • 1 7 | • 1 7 | • 1 2 | •12 | •00 | • 1 4 | • (7 | • 50 | •59 |
| N | 2 | 1969-70 | • 50 | • 1 7 | • 71 | | | | | | | | | | |
| | •53 | .69 .14 | .06 | .34 | .24 | •02 | .19 | .12 | .08 | £08 | .00 | .C9 | 27 | 1.01 | . 35 |
| | .17 | .13 .24 | .18 | | 1.08 | •02 | • • / | • 1 2 | •00 | 100 | • 00 | • 6 7 | • 2 1 | 1.01 | • 3 3 |
| N | | 1969-70 | • 10 | • • • | 1.00 | | | | | | | | | | |
| • | •63 | .27 .08 | .02 | . 26 | .10 | •06 | .24 | .17 | .14 | .12 | .04 | .02 | .37 | -28 | . 35 |
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| S 210 | 1969-70 | | | | | | | | | | | | | |
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| • C4 | .27 .12 | .10 | | 1.38 | | | | | | | | | | |
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| S 211 | 1969-70 | | | | | | | | | | | | | |
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| S 212 | 1969-70 | | | | | | | | | | | | | |
| -1. | -110 | .03 | .86 | .42 | •05 | .09 | .20 | .13 | .14 | .46 | .07 | .90 | . 87 | 1.15 |
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| S 217 | 1969-70 | | | | | | | | | | | | | |
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| S 221 | 1969-70 | | | | | | | | | | | | | |
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| 5 231 | 1969-70 | | | | | | | | | | | | | |
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| S 232 | 1969-70 | | | | | | | | | | | | | |
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| S 233 | 1969-70 | | | | | | | | | | | | | |
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| \$ 234 | 1969-70 | | | | | | | | | | | | | |
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| .03 | .12 .02 | .12 | .33 | 1.23 | | | | | | | | | | |
| S 235 | 1969-70 | * | | | | | | | | | | | | |
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| S 236 | 1969-70 | | | | | | | | | | | | | |
| -1. | .65 .17 | .11 | .46 | .30 | .14 | .10 | •15 | .10 | •05 | .15 | .1C | •85 | .44 | .33 |
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| S 249 | 1969-70 | | | | | | | | | | | | | |
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| 5 251 | 1969-70 | | | | | | | | | | | | | |
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| A 36 | 1970-71 | | | | | | | | | | | | | |
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| A 37 | 1970-71 | | | | | | | | | | | | | |
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| A 41 | 1970-71 | | | | | | | | | | | | | |
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| A 42 | 1970-71 | | | | | | | | | | | | | |
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| A 45 | 1970-71 | • | | | | | | | | | | | | |
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| M 228 | | | | | | | | | | | | | | | |
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| | .20 | .31 | .06 | | 1.35 | •50 | .32 | .01 | • 25 | •62 | .37 | .17 | 1.05 | •12 | •10 |
| • C5 | .21 | •20 | • 43 | •20 | •42 | | | | | | | | | | |
| w 230 | 0.0 | | | 1.5 | 2 14 | • , | 20 | 0.0 | ~ 0 | | | | | ~ . | |
| .08 | •08 | •12 | •15 | • 15 | 3.14 | . 74 | •30 | •C8 | •50 | 1.47 | .67 | •15 | 1.84 | • 21 | .10 |
| • C7 | •4C | .20 | .60 | | | | | | | | | | | | |
| .14 | .03 | •08 | .13 | 12 | 1.25 | •33 | .70 | .06 | .13 | •59 | .21 | •C9 | .76 | .10 | .06 |
| .05 | .31 | .10 | .77 | .51 | .18 | • 3 3 | . 10 | •06 | • 1 3 | • 23 | • 2 1 | •69 | • 10 | • 10 | • 00 |
| N B | • 7 4 | •10 | • • • | •) [| •10 | | | | | | | | | | |
| ., . | .18 | • 06 | • 02 | .02 | .74 | .25 | •09 | .01 | .21 | .70 | •12 | .14 | .68 | .03 | .04 |
| • 05 | • 30 | .20 | .99 | .46 | .16 | • • • | •0, | ••• | · | • • • | *** | •• | •00 | •05 | • • • |
| N 1 | | | • • • | • . • | • • • | | | | | | | | | | |
| .57 | .17 | .06 | .14 | | | | .04 | .00 | .02 | .20 | .21 | .13 | .82 | .18 | .14 |
| -10 | •03 | •00 | .40 | .28 | •52 | | | | | | | | | | |
| ٧ 2 | | | | | | | | | | | | | | | |
| -12 | .01 | .06 | .37 | •07 | .47 | .04 | .31 | .10 | •19 | •56 | .40 | .11 | .88 | •03 | •09 |
| • 09 | • Z C | • 11 | •58 | • 26 | •37 | | | | | | | | | | |
| N 3 | _ | | _ | | | | | | | | | | | | |
| •27 | • 02 | -20 | • 05 | • 03 | .23 | .08 | •39 | •08 | •08 | •40 | • 35 | •C2 | .60 | •03 | -17 |
| • 05 | • 25 | •01 | •49 | .33 | •12 | | | | | | | | | | |
| N 4 | ٠. | 2.0 | | • | | | ~ ~ | | | | • • | • • | | | |
| .10 | •06 | •20 | •C9 | •03 | 2. | | •33 | .01 | .07 | .31 | .18 | •C2 | •72 | • 05 | .07 |
| •08 N 5 | -18 | .13 | •28 | .23 | •24 | | | | | | | | | | |
| N 5 | • 02 | • 09 | • 02 | •01 | •64 | .11 | •12 | .01 | .03 | .28 | .14 | .04 | .67 | .10 | .08 |
| •05 | .15 | .01 | • 32 | | | • 1 1 | • 12 | • 0 1 | •03 | • 2 0 | • 1 4 | •04 | • 6 7 | -10 | • 00 |
| ۷ 6 | • 1 3 | •01 | • 32 | • | • | | | | | | | | | | |
| •27 | .11 | .24 | .01 | .02 | | | .38 | .16 | .03 | .14 | .08 | .08 | | .09 | .13 |
| •10 | .21 | •01 | •59 | .37 | •32 | | • 50 | • • • | .03 | • • • | •00 | ••• | | •0, | • • • |
| N 7 | | | • • • | • • • • | • • • | | | | | | | | | | |
| | | | | | | | | | .01 | •32 | .02 | .09 | .64 | .09 | .13 |
| .C7 | | | | .35 | .35 | | | | | | | | • | | |
| N 8A | | | | | | | | | | | | | | | |
| •11 | .10 | .14 | .00 | .00 | •54 | .38 | •13 | •03 | .00 | .06 | .19 | .01 | •50 | •03 | .C9 |
| • C4 | • CO | •00 | •28 | •18 | .12 | | | | | | | | | | |
| N 9A | | | | | | | | | | | | | | | |
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| N 10 | | | | | | | | | | | | | | | |
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| v 12A | • • • | •02 | | •01 | • 7 1 | | | | | | | | | | |
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| N 13 | | | | | | | | | | | | | | | |
| .10 | .10 | .07 | .16 | .11 | 1.90 | .37 | .75 | .04 | .08 | .55 | .15 | .2C | .89 | .10 | .03 |
| .C2 | .28 | -11 | . 94 | .42 | .10 | | | | | | | | | | |
| N 14 | | | _ | | | | | | | | | | | | |
| .15 | .14 | • 08 | .06 | | 1.21 | •61 | .23 | .09 | .23 | .49 | •22 | .04 | .69 | •26 | -10 |
| .11 | .25 | .03 | .30 | . 39 | .33 | | | | | | | | | | |
| N 15 | 0.3 | A.7 | 04 | ^2 | 1 50 | ,, | FF | 0.3 | 24 | | ٠, | | , | 3.0 | ^- |
| .12 | • 03 | .07 | .06 .48 | .48 | 1.50 .22 | • 40 | •55 | .02 | . 30 | •69 | • 31 | -11 | 1.53 | . 38 | .05 |
| N 16 | | | • 40 | • 40 | • 2 2 | | | | | | | | | | |
| 4 10 | | | | | | | | | | | | | | | |

| .13 | .07 .36 | .04 | .05 | .03 | 3.05 | .61 | .36 | •02 | .27 | •55 | .32 | .15 | 1.66 | . 25 | •06 |
|----------------------|------------|------------|------------|------------|-------------|------|-----|-----|-------|------|-----|---------|-------|-------|-----|
| N 17 .09 N 18 | •20 •20 | .11 | .02 .41 | .02 .23 | 1.13 | •51 | .41 | •06 | | | | | | | |
| •02 N 19 | •12 •16 | •14 •26 | .18 .79 | .17 .28 | .27 .53 | •08 | | | •19 | •55 | .36 | .04 | .67 | .12 | •C9 |
| .11 .13 N 20 | •02 •25 | .05 .07 | .09 .28 | .09 .20 | •45 •22 | .07 | •11 | •00 | .18 | • 35 | .28 | .15 | .58 | • 04 | .C7 |
| .37 .13 N 21 | •50 •04 | .19 | .00 .41 | .00 .37 | •35 •43 | • 45 | •31 | •15 | .01 | •11 | •09 | .cc | .81 | .16 | .14 |
| .02 S 201 | .07 | •00 | .58 | | | | | | .10 | .35 | .23 | .03 | .66 | .15 | .07 |
| .33 .08 \$ 202 | .10 .10 | .25 .01 | .03 .38 | •02 •32 | .15 .50 | •08 | .27 | •10 | •05 | .12 | .13 | .04 | .74 | .13 | .19 |
| .21 .06 S 203 | •05 •26 | •20 •04 | •05 •55 | •02 •32 | .30 .20 | •10 | •15 | •10 | •10 | •29 | •22 | •12 | .62 | .1C | •14 |
| .15 .08 \$ 204 | .06 .18 | •24 •01 | •05 •74 | .00 .37 | •31 •36 | •11 | •32 | •05 | •08 | .16 | •19 | .C9 | •73 | •07 | .17 |
| .03 S 205 | • 28 | •02 | •08 •53 | • 04 | .23 | +14 | •43 | •07 | .10 | .41 | •37 | •03 | •60 | •05 | .20 |
| .05 S 206 | .01 | •04 | •11 •32 | .00 | .27 | .08 | •08 | •06 | .07 | •20 | .28 | .07 | •55 | •06 | .12 |
| .07 .01 S 208 | .10 | .07 | •16 •80 | .18 | •19 | .05 | | | .21 | •55 | .47 | .05 | .72 | .10 | •08 |
| .03 .05 \$ 209 | •10 •35 | •03 •22 | .60 | .08 | •70 | •33 | •23 | .03 | .15 | •49 | •22 | .13 | .70 | •05 | .03 |
| S 210 | | | • 05 | 05 | 1.15 | .38 | .31 | •05 | •20 | 70 | .31 | 10 | 1 00 | 10 | 07 |
| .07 S 211 .06 | •20 •20 | .15 | .76 | .17 | .48 1.85 | .38 | .13 | | | | .23 | | .75 | .10 | .07 |
| .07 S 212 | | .16 | | •05 | 1.07 | • 36 | | | | .37 | | | | •06 | •04 |
| S 215 | | | | | | | .13 | | | •26 | | | | 04 | |
| .C7 S 217 | .08 | •02 | | | | | .10 | | | 1.10 | | | .70 | | |
| .00 S 221 | | -71 | .55 | •26 | •26 | | ••0 | •00 | • • • | 1.10 | •02 | • • • • | • • • | • 4 3 | •10 |

\$ 231

| 0.7 | .15 | .39 | .10 | | | .68 | .57 | .07 | .24 | .95 | .48 | .30 | 1.56 | .2C | .10 |
|--------------------------|--|---|---|--|---|---|--|-------|------|-------------|-------------|---------|---|--|-------|
| 232 | | | | | | 1.00 | .58 | .05 | . 34 | 1.05 | . 50 | .42 | 2.30 | . 33 | .07 |
| .08 233 | .76 | .25 | .85 | .41 | .30 | | ••• | | ••• | | • • • | • , • | | ,,, | • • • |
| .10 .06 | .04 .18 | .13 | •13 •29 | .07 .35 | .56 .32 | •10 | •29 | •00 | •15 | .31 | .18 | .02 | .75 | • 05 | .C5 |
| .03 .05 | •11 •22 | •09 •22 | .00 .75 | .04 | •92 •51 | •50 | •15 | •00 | -18 | .6C | • 35 | •12 | .75 | •02 | •C4 |
| 235 .48 | .26 | •08 | .04 | •00 | .18 | .16 | .07 | •00 | .03 | .07 | .19 | .04 | .80 | .13 | .16 |
| 236 | .04 | .10 | .40 | .27 | | .28 | .36 | .20 | •55 | . 58 | .44 | .13 | 1.32 | •03 | .05 |
| .03 238 | .60 | .38 | •58 | •27 | •43 | | | | | | | | | | |
| 241 | | | | | | | | | | | | | | | |
| .09 | •2ù | .40 | •02 | •02 | 1.43 | •36 | -21 | •05 | .18 | .45 | .13 | .12 | .70 | .07 | .03 |
| .05 | | | | | | | .35 | •06 | •22 | .47 | .17 | •12 | •92 | •20 | •06 |
| 249 | | | | | | | | | | | | | | | |
| 251 | | | | | | | | | .15 | .47 | .35 | .1C | .60 | • 05 | .17 |
| .10 255 | .23 | •08 | -86 | •29 | .47 | | | | | | | | | | |
| .05 | .23 | | | .18 | 2.53 | •95 | .57 | •08 | •11 | 1.07 | •37 | •31 | 1.45 | •15 | .10 |
| .35 | .15 | •08 | •00 •42 | | | | .14 | •05 | •04 | .08 | •22 | •cc | .51 | •12 | .14 |
| .07 .02 | .07 | •08 •15 | •15 •65 | .09 | .38 | •05 | .45 | .05 | . 30 | .52 | •70 | .05 | .85 | .07 | • C8 |
| 85 | 2.2 | | .04 | .25 | 1.50 | .39 | . 10 | 0.1 | 20 | 1 15 | . 55 | . 35 | 1.00 | .15 | .00 |
| .01 | | | | | 20 | • • • • | • 10 | • 0 1 | • 30 | 1.17 | • • • | • • • • | | | |
| 121 | .32 1970 | | .50 | .15 | .25 | | | | | | | | | | . C8 |
| .02 .08 138 | 1970 •00 •25 | -71 •02 •10 | •00 •52 | .15 .40 .25 | 1.10 | .77 | .17 | .00 | | | 1.20 | | | | .C8 |
| .02 .08 138 .02 | 1970 | -71 •02 | .00 | .15 .40 .25 | 1.10 | .77 | | .00 | | | | | | | .08 |
| .02 .08 138 .02 | 1970 •00 •25 | -71 •02 •10 | .00 .52 | .15 .40 .25 | 1.10 .50 | .77 | .17 | .00 | | 1.13 | | .09 | | •13 | |
| .02 .08 138 .02 | 1970 .00 .25 .02 | -71 .02 .10 .10 | .00 .52 .08 .21 | .15 .40 .25 .31 .8 | 1.10 .50 1.34 10 | .77 | .17 | .00 | .18 | 1.13 | 1.20 | .09 | 1.12 | •13 | |
| | .07 .08 23.10 .233 .055 .116 .038 .234 .1236 .238 .236 .237 .236 .237 .236 .237 .236 .237 .237 .237 .237 .237 .237 .237 .237 | .07 .43 232 .07 .20 .08 .76 233 .10 .04 .06 .18 234 .03 .11 .05 .22 235 .48 .26 .11 .04 236 .04 .04 .03 .60 238 241 .09 .20 .06 242 .05 249 251 .10 .23 255 .09 .21 .05 .23 256 .35 .15 .10 .27 .07 .02 .25 .85 | .07 .43 .17 232 .07 .20 .53 .08 .76 .25 233 .10 .04 .13 .06 .18 .15 234 .03 .11 .09 .05 .22 .22 235 .48 .26 .08 .11 .04 .01 236 .04 .04 .10 .03 .60 .38 238 241 .09 .20 .40 .06 242 .05 249 251 .10 .23 .08 255 .09 .21 .45 .05 .23 .05 256 .35 .15 .08 .10 257 .07 .08 .02 .25 .15 | .07 .43 .17 .87 232 .07 .20 .53 .26 .08 .76 .25 .85 233 .10 .04 .13 .13 .06 .18 .15 .29 234 .03 .11 .09 .00 .05 .22 .22 .75 235 .48 .26 .08 .04 .11 .04 .01 .25 236 .04 .04 .10 .40 .03 .60 .38 .58 238 241 .09 .20 .40 .02 .06 242 .05 249 251 .10 .23 .08 .86 .255 .09 .21 .45 .22 .05 .23 .05 1.00 .257 .07 .08 .15 .02 .25 .15 .65 | .07 .43 .17 .87 .30 232 .07 .20 .53 .26 .15 .08 .76 .25 .85 .41 233 .10 .04 .13 .13 .07 .06 .18 .15 .29 .35 234 .03 .11 .09 .00 .04 .05 .22 .22 .75 .19 235 .48 .26 .08 .04 .00 .11 .04 .01 .25 .40 236 .04 .04 .10 .40 .27 .03 .60 .38 .58 .27 241 .09 .20 .40 .02 .02 .66 .242 .05 .23 .05 1.00 .25 .09 .21 .45 .22 .18 .05 .23 .05 1.00 .25 .09 .21 .45 .22 .18 .05 .25 .15 .08 .00 .10 .42 .257 .07 .07 .08 .15 .09 .02 .25 .15 .65 | .07 .43 .17 .87 .30 .34 232 .07 .20 .53 .26 .15 3.02 .08 .76 .25 .85 .41 .30 233 .10 .04 .13 .13 .07 .56 .06 .18 .15 .29 .35 .32 234 .03 .11 .09 .00 .04 .92 .05 .22 .22 .75 .19 .51 235 .48 .26 .08 .04 .00 .18 .11 .04 .01 .25 .40 .40 236 .04 .04 .10 .40 .27 1.12 .03 .60 .38 .58 .27 .43 238 241 .09 .20 .40 .02 .02 1.43 .06 .242 .05 .249 251 .10 .23 .08 .86 .29 .47 .55 .09 .21 .45 .22 .18 2.53 .05 .23 .05 1.00 .26 .35 .15 .08 .00 .10 .42 .257 .07 .07 .08 .15 .09 .38 .02 .25 .15 .65 | .07 .43 .17 .87 .30 .34 232 .07 .20 .53 .26 .15 3.02 1.00 .08 .76 .25 .85 .41 .30 233 .10 .04 .13 .13 .07 .56 .10 .06 .18 .15 .29 .35 .32 234 .03 .11 .09 .00 .04 .92 .50 .05 .22 .22 .75 .19 .51 235 .48 .26 .08 .04 .00 .18 .16 .11 .04 .01 .25 .40 .40 236 .04 .04 .10 .40 .27 1.12 .28 .03 .60 .38 .58 .27 .43 238 241 .09 .20 .40 .02 .02 1.43 .36 .06 .242 .05 .249 251 .10 .23 .08 .86 .29 .47 .255 .09 .21 .45 .22 .18 2.53 .95 .05 .23 .05 1.00 .26 .35 .15 .08 .00 .10 .42 .27 .27 .07 .08 .15 .09 .38 .05 .02 .25 .15 .65 | .07 | .07 | .07 | .07 | .07 | .07 .43 .17 .87 .30 .34 232 .07 .20 .53 .26 .15 3.02 1.00 .58 .05 .34 1.05 .50 .42 .08 .76 .25 .85 .41 .30 .30 .10 .04 .13 .13 .07 .56 .10 .29 .00 .15 .31 .18 .02 .06 .18 .15 .29 .35 .32 .34 .03 .11 .09 .00 .04 .92 .50 .15 .00 .18 .60 .35 .12 .05 .22 .22 .75 .19 .51 .35 .48 .26 .08 .04 .00 .18 .16 .07 .00 .03 .07 .19 .04 .11 .04 .01 .25 .40 .40 .23 .06 .38 .58 .27 .43 .30 .60 .38 .58 .27 .43 .31 .05 .23 .32 .33 .60 .32 .38 .58 .27 .43 .33 .60 .33 .50 .50 .50 .55 .58 .44 .13 .34 .26 .26 .26 .26 .27 .43 .35 .26 .27 .43 .36 .27 .43 .36 .21 .05 .18 .45 .13 .12 .37 .38 .29 .20 .40 .02 .02 1.43 .36 .21 .05 .18 .45 .13 .12 .38 .29 .20 .40 .02 .02 1.43 .36 .21 .05 .18 .45 .13 .12 .39 .20 .40 .02 .02 1.43 .36 .21 .05 .18 .45 .13 .12 .241 .09 .20 .40 .02 .02 1.43 .36 .21 .05 .18 .45 .13 .12 .252 .35 .06 .22 .47 .17 .12 .253 .05 .23 .05 1.00 .255 .25 .25 .25 .25 .25 .25 .25 .25 .25 | .07 .43 .17 .87 .30 .34 232 .07 .20 .53 .26 .15 3.02 1.00 .58 .05 .34 1.05 .50 .42 2.30 .08 .76 .25 .85 .41 .30 .33 .10 .04 .13 .13 .07 .56 .10 .29 .00 .15 .31 .18 .02 .75 .26 .18 .15 .29 .35 .32 .34 .03 .11 .09 .00 .04 .92 .50 .15 .00 .18 .60 .35 .12 .75 .25 .22 .22 .75 .19 .51 .25 .26 .08 .04 .00 .18 .16 .07 .00 .03 .07 .19 .04 .80 .11 .04 .01 .25 .40 .40 .236 .04 .04 .10 .40 .27 1.12 .28 .36 .20 .55 .58 .44 .13 1.32 .38 .241 .09 .20 .40 .02 .02 1.43 .36 .21 .05 .18 .45 .13 .12 .70 .26 .22 .27 .28 .29 .29 .20 .20 .20 .20 .20 .20 .20 .20 .20 .20 | .07 |

| •03 | •02 •00 | • 56 | .12 | .75 | | | | | | | | | | |
|-------|-----------|-------|-------|---------|-------|------|-------|-------|-------|-------|------------|-------|-------|-------|
| V 168 | 1970-71 | | | | | | | | | | | | | |
| - 02 | .00 .00 | .10 | .43 | .56 | .20 | -1. | -1. | .40 | 1.05 | .82 | .05 | .48 | .01 | .10 |
| •06 | .00 .00 | .30 | .15 | .45 | | | | | | | | | | |
| V 169 | 1970-71 | | | | | | | | | | | | | |
| -1. | -11. | .00 | - 34 | 1.25 | .97 | .07 | .00 | .18 | . 95 | 1.18 | .07 | .93 | .05 | .05 |
| .12 | .23 .07 | .17 | .30 | .52 | • / . | •0. | ••• | • • • | • // | | •0. | • , , | • • • | •07 |
| v 170 | 1970-71 | • 1 . | • 50 | • 72 | | | | | | | | | | |
| | | | | | ٠.٠ | | • | | | | | | | |
| -1. | -11. | •00 | •48 | •60 | •65 | •07 | •00 | • 22 | 1.02 | •20 | • 18 | 1.05 | •09 | • C5 |
| • 02 | •23 •05 | -1. | -1. | -1. | | | | | | | | | | |
| V 171 | 1970-71 | | | | | | | | | | | | | |
| -1. | -11. | -1. | -1. | -1. | -1. | -1. | -1. | •27 | 1.12 | .85 | •15 | 1.01 | .14 | • C4 |
| •03 | .35 .05 | .53 | .27 | .30 | | | | | | | | | | |
| V 172 | 1970-71 | | | | | | | | | | | | | |
| •C7 | .00 .10 | .04 | .52 | .83 | .33 | .08 | .00 | .15 | .45 | .00 | .25 | 1.00 | .22 | .00 |
| •00 | .40 .07 | .43 | .14 | .18 | | | | | • • • | • | | | | |
| V 173 | 1970-71 | • | • • • | • • • • | | | | | | | | | | |
| •05 | .05 .20 | .02 | 34 | 1.27 | .68 | .20 | .03 | 1.2 | 1.38 | .63 | 12 | 1.25 | .08 | .co |
| •05 | .23 .02 | .66 | .20 | .40 | • 00 | • 20 | • 0 3 | • 1 2 | 1.30 | • 0 3 | • 1 2 | 1.25 | • 0 0 | • 00 |
| | •23 •02 | • 00 | • 20 | • 40 | | | | | | | | | | |
| V 174 | 01 04 | 25 | ٠. | | | | ^- | | | | | | | |
| •00 | •01 •04 | .05 | | 1.25 | .22 | •08 | •03 | | | | | | | |
| | •15 •00 | •23 | •15 | .16 | | | | | | | | | | |
| v 175 | 1970-71 | | | | | | | | | | | | | |
| -1. | -1. $-1.$ | .02 | •30 | .57 | •32 | •08 | .02 | .32 | 1.00 | .30 | .1C | .80 | •03 | .04 |
| .10 | .05 .00 | • 55 | .24 | .35 | | | | | | | | | | |
| V 188 | 1970-71 | | | | | | | | | | | | | |
| .03 | .02 .04 | .00 | . 31 | 1.30 | .60 | .15 | .00 | .21 | .90 | .80 | •1C | .80 | .04 | .13 |
| .13 | .07 .03 | .29 | .35 | .56 | ••• | ••• | ••• | | • , , | •00 | • • • | •00 | • • • | |
| v 189 | 1970-71 | • 4 / | • 3 7 | • >0 | | | | | | | | | | |
| • C4 | | 00 | 26 | 00 | | .07 | 00 | 20 | 1 10 | • 55 | 0.0 | 70 | 0.7 | ٥E |
| | .07 .03 | .00 | • 35 | •90 | .44 | •07 | •00 | . 20 | 1.10 | • 22 | .08 | .7C | .07 | . 05 |
| .15 | .05 .00 | .63 | .17 | .38 | | | | | | | | | | |
| V 190 | 1970-71 | | _ | | | | | | | | | | | |
| •04 | .07 .03 | •00 | • 32 | .80 | •62 | .24 | •01 | .12 | 1.20 | 1.25 | .C7 | .88 | .14 | • 06 |
| •15 | .09 .07 | • 45 | .21 | .43 | | | | | | | | | | |
| V 191 | 1970-71 | | | | | | | | | | | | | |
| •03 | .10 .05 | .00 | .37 | .97 | . 32 | .26 | •00 | .09 | .95 | •65 | .19 | .80 | .04 | .02 |
| -11 | .40 .06 | .46 | .25 | .31 | | | | | | | | | | |
| V 192 | 1970-71 | | | | | | | | | | | | | |
| •05 | .04 .02 | .00 | .21 | .55 | .40 | .05 | -00 | .19 | .95 | .72 | •06 | .5C | .09 | .10 |
| .10 | .25 .05 | .35 | .20 | .42 | • | ••• | -00 | • | • , , | • • • | •00 | • > 0 | • 0 / | • • • |
| v 193 | 1970-71 | • ,, | • 20 | • • • | | | | | | | | | | |
| | | • | _ 1 | 1 | | | | 2.2 | 1 50 | 0.7 | 0.5 | 76 | 0.0 | |
| -1. | -11. | -1. | -1. | -1. | -1. | -1. | -1. | • 2 3 | 1.58 | .97 | •05 | .75 | • OC | -1. |
| -1. | .25 .03 | .35 | -25 | .35 | | | | | | | | | | |
| V 194 | 1970-71 | | | _ | | _ | | | | | | _ | | |
| •00 | .00 .00 | •00 | • 05 | • 40 | • 20 | .04 | •00 | •13 | .60 | .70 | •05 | •63 | •03 | .05 |
| •20 | -11. | • 32 | -1. | -1. | | | | | | | | | | |
| V 196 | 1970-71 | | | | | | | | | | | | | |
| .15 | .06 .07 | .00 | .18 | .80 | .66 | .10 | .00 | .17 | 1.17 | 1.00 | .05 | .61 | .10 | .13 |
| .11 | .20 .05 | .65 | •26 | .55 | | | | | | | | | | |
| V 198 | | | | | | | | | | | | | | |
| • 05 | .03 .14 | .05 | . 36 | 2.25 | 1.20 | .18 | .01 | .15 | .60 | .11 | .05 | 1.00 | .14 | .05 |
| •02 | .22 .03 | .30 | .20 | .16 | | | | | | - • • | - 0 / | | - 4 ' | |
| v 206 | 1970-71 | | - 20 | • 10 | | | | | | | | | | |
| •04 | .03 .07 | .02 | .34 | .68 | .28 | .10 | •00 | .24 | .88 | .63 | ^ 2 | -1. | -1. | -1. |
| | | | | | • 20 | • 10 | • 00 | • 24 | • 0 0 | • 0 3 | • 0 7 | -1. | -1. | - 1 • |
| -1. | .12 .09 | .57 | •23 | •42 | | | | | | | | | | |
| V 207 | 10 2- | | | | | | | | | | | | | |
| • 03 | .10 .32 | .30 | | 1.40 | | .23 | •02 | • 36 | •40 | • 35 | .39 | 2.05 | .16 | • 02 |
| - 04 | .70 .05 | .66 | • 25 | .30 | | | | | | | | | | |
| V 209 | 1970-71 | | | | | | | | | | | | | |
| •15 | .02 .00 | .08 | .31 | .80 | • 30 | .00 | •03 | •05 | .21 | .07 | •03 | .70 | .10 | .01 |
| | | | | | | | | | | | | | | |

```
.01
     .03 .00 .10 .09 .15
V 221
      .13 .00
.12 .10
                .00
                     .10
                         .90
 .00
                              .15 .08 .00 .11 .92 .22 .11 .75 .05 .01
  .05
                .48
                     .18
                         .65
      1970-71
V 224
      -1. -1.
-1. -1.
 -1.
                -1.
                     -1.
                         -1.
                              -1. -1. -1. -1. -1. -1. -1. -1. -1.
 -1.
                .92
                     .25
                         • 25
      1970-71
V 225
      .01 .05
.16 .00
                     .35 1.45
                              .45 .17 .00 .26 .97 .25 .12 1.15 .10
  .03
                .04
                                                                         • C3
                         .37
  . CO
                .60
                     .12
v 227
      1970-71
      .C2 .00
                     -1. -1.
                              -1. .10
                                        .00 -1. -1. -1. -1. .52 .CC .C8
 · C5
                -1.
  .08
                -1.
                     .20 .55
V 232
      1970-71
      .08 .02
.09 .10
                    .42 1.25
  .C1
                .04
                              .92 .40 .00 .23 1.25 .80 .11 .51 .10 .02
               .85 -1. -1.
  .08
```

APPENDIX E

LIST OF BAND DURATION BY STATION AND YEAR

(-1 or blank space indicates missing data)

SAND DURATION 1967-68

- A 21
- 1 23
- 4 24
- A 26
- 1 27
- Δ 29
- 4 30
- Δ 31
- 4 32
- 4 33
- A 34
- Λ 35
- A 36
- A 37
- A 38
- Δ 41
- Λ 42

| 060 | 075 | 040 | 025 | υου | 120 | 000 | 070 | 030 | 040 | 070 | 130 | ú75 | 070 | 070 | 060 |
|------------|------|-----------|------------|-----|-----|--------------|--------------|-----|-----|-----|-----|------------|------|-----|-----|
| 200 | 100 | 140 | 070 | 030 | 050 | 000 | 0.0 | 030 | 0.0 | 0.0 | | | | | • |
| r 5 7 5 6 | 1967 | - | 0.0 | 030 | 0,0 | | | | | | | | | | |
| -1 | -1 | -1 | -1 | 000 | 000 | 060 | 000 | 045 | 000 | 000 | 060 | 000 | CCC | - 1 | -1 |
| cco | occ | 150 | 000 | 000 | 000 | | • | - | | | | | | | |
| £ 6006 | 1907 | - | 0,00 | 000 | | | | | | | | | | | |
| -1 | -1 | -1 | -1 | -1 | -1 | -1 | 000 | 000 | 000 | 000 | 040 | 060 | 060 | 080 | 030 |
| 140 | 130 | 140 | 000 | 060 | 070 | • | | | | | - | - | | | |
| E6624 | 1967 | _ | 000 | 000 | 0,0 | | | | | | | | | | |
| -1 | -1 | -1 | -1 | 000 | 000 | 000 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 075 | 030 |
| 000 | 000 | 090 | 000 | 030 | 000 | V V V | • | • | - | • | _ | - | _ | | |
| £5736 | 1967 | - | 000 | 0,0 | 000 | | | | | | | | | | |
| -1 | -1 | -06 -1 | -1 | 060 | 120 | -1 | 030 | 000 | 015 | 090 | 120 | 040 | 090 | 080 | 015 |
| | 115 | 120 | ουο | 030 | 060 | - 1 | 030 | 000 | 017 | 0,0 | 120 | 0,0 | 0,0 | | |
| 225 | 1967 | | 000 | 030 | 000 | | | | | | | | | | |
| £7735 | | | 030 | 000 | 000 | 060 | 000 | 045 | 000 | 070 | 000 | 040 | 030 | 070 | 030 |
| 045 | 045 | 060 | 030 | 000 | | 000 | 000 | 049 | 000 | 010 | 000 | 040 | 0.50 | 0.0 | 050 |
| 165 | 000 | 155 | COO | oco | 000 | | | | | | | | | | |
| 17946 | 1967 | | 0.25 | 016 | 050 | 0.70 | 200 | 000 | 045 | 115 | 090 | 045 | C75 | 060 | C75 |
| 060 | 085 | 030 | 025 | 045 | 050 | 070 | 000 | 000 | 045 | 110 | 090 | 049 | 615 | 080 | 673 |
| 220 | 120 | 105 | 000 | 015 | 060 | | | | | | | | | | |
| n 4697 | 1967 | | 225 | | | 07.5 | 200 | 000 | 030 | 005 | 000 | 040 | 030 | _ 1 | -1 |
| - 1 | -1 | 060 | 025 | -1 | -1 | 075 | 000 | 000 | 030 | 085 | 090 | C4C | C3C | -1 | -1 |
| 155 | -1 | -1 | -1 | -1 | -1 | | | | | | | | | | |
| E8752 | 1967 | | | | | | | | | | | 255 | | 005 | 015 |
| 015 | 015 | 045 | 000 | 000 | 045 | 000 | 000 | 000 | 000 | 090 | 000 | 055 | CCO | 085 | 015 |
| 225 | 000 | 135 | 010 | 000 | 000 | | | | | | | | | | |
| EH832 | 1967 | -68 | | | | | | | | | | | _ | | |
| - 1 | -1 | -1 | - 1 | 060 | 075 | -1 | -1 | -1 | -1 | ~ 1 | -1 | - 1 | -1 | 045 | 060 |
| 080 | 135 | 140 | 000 | 085 | 090 | | | | | | | | | | |
| €9049 | 1957 | -68 | | | | | | | | | | | | | |
| 040 | 045 | 035 | 045 | 150 | 050 | 000 | -1 | -1 | - 1 | - 1 | -1 | - 1 | -1 | 090 | 070 |
| 060 | 060 | 140 | 050 | C70 | 100 | | | | | | | | | | |
| ≟ ₹221 | 1967 | -68 | | | | | | | | | | | | | |
| 030 | 040 | 075 | 000 | 000 | 105 | -1 | -1 | -1 | -1 | -1 | -1 | - 1 | - 1 | 045 | 030 |
| 215 | 090 | 135 | 030 | -1 | -1 | | | | | | | | | | |
| E9283 | 1967 | -68 | | | | | | | | | | | | | |
| - 1 | -1 | -1 | -1 | COC | 045 | 030 | 000 | 015 | 015 | 095 | C30 | 015 | C15 | -1 | -1 |
| 120 | -1 | -1 | -1 | -1 | -1 | | | | | | | | | | |
| E9458 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| E9512 | 1967 | -68 | | | | | | | | | | | | | |
| 000 | 000 | 060 | 045 | 075 | 110 | 000 | 045 | 000 | 050 | 120 | 120 | 015 | 000 | -1 | -1 |
| 090 | 075 | 150 | 075 | 000 | 000 | | | | | | | | | | |
| L 6 | 1967 | | - ' | | | | | | | | | | | | |
| 000 | 020 | 030 | 030 | 170 | 060 | 000 | ^) 0 | 000 | 000 | 060 | 090 | 000 | 000 | -1 | -1 |
| 135 | 000 | -1 | -1 | -1 | -1 | | | | | | | | | | |
| L 10 | 1967 | - | - | - | - | | | | | | | | | | |
| 000 | 020 | 030 | 030 | 150 | 015 | 000 | 000 | 000 | 000 | 000 | COO | 000 | COO | 105 | COO |
| 130 | 000 | 100 | 000 | 000 | 000 | | | | | | | - | - | | |
| L 11 | 1967 | | 000 | | | | | | | | | | | | |
| - 11 | 1,01 | | | | | | | | | | | | | | |

| | CC0 | 020 030 | 030 100 | 040 U00 | 160 020 | 000 | 025 | 000 | 000 | 000 | 000 | 080 | 015 | 000 | 095 | 030 |
|---|-------------------|---------------------|-------------------|------------|------------|------------|-----|-----|-----|-----|-----|--------------|-----|-----|-----|------|
| Ł | 33 030 145 | 1967- 020 110 | -68 040 100 | 050 080 | 160 C45 | 060 010 | 015 | 000 | 000 | 000 | 000 | 075 | 05C | 055 | 095 | 050 |
| L | 46 000 120 | 1967- 020 120 | -68 045 115 | 040 000 | 165 045 | 000 | C15 | 000 | 000 | 000 | 000 | 070 | ccc | 000 | 085 | 055 |
| L | 52 020 | 1967- 020 | | U50 | 160 | 000 | 000 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| L | 135 53 030 | 100 1967- 020 | 120 -68 045 | 000 | 070 | 100 | 000 | 000 | 000 | 000 | 000 | 070 | 070 | 660 | 000 | 04.0 |
| L | 120 54 | 020 070 1967 | 125 | 000 | 050 | 100 | | | | 000 | 000 | 070 | 070 | ccc | C90 | 060 |
| | -1 120 128 | -1 070 1967- | -1 120 -68 | -1 025 | 150 070 | 000 105 | 000 | 000 | 000 | 000 | 000 | 075 | 055 | COO | 075 | 050 |
| | 030 180 | 025 0 7 0 | 090 110 | 045 055 | 120 050 | 000 000 | 100 | 000 | 045 | 000 | 055 | 0 7 5 | 060 | 000 | 075 | 045 |
| L | 179 020 140 | 1967- 030 050 | -68 050 100 | 040 000 | 160 070 | 000 040 | 000 | 000 | 000 | 000 | 000 | 070 | 000 | 000 | 090 | 035 |
| L | 191 000 120 | 1967- 025 055 | -68 030 080 | 030 | 170 055 | 000 | 000 | 000 | 000 | 000 | 000 | 065 | oco | cco | 090 | ccc |
| L | 213 | 1967- 020 | | 015 | 165 | 015 | 000 | 000 | 000 | 000 | 000 | 060 | ССС | cco | 095 | cco |
| L | 140 250 035 | 060 1967 020 | 110 -68 045 | 000 | 060 120 | 000 | 000 | 000 | 000 | 000 | 000 | coo | occ | 000 | -1 | -1 |
| L | 000 259 | 000 1967 | 105 -63 | 015 | 045 | 045 | | | | | | | | | | |
| L | 040 160 292 | 015 060 1967 | 035 080 -68 | 040 000 | 200 000 | 060 040 | 015 | 000 | 000 | 000 | 060 | 080 | 06C | 040 | 070 | 050 |
| | 000 140 303 | 020 000 1967 | 020 095 | 000 | 140 040 | 060 000 | 000 | 000 | 015 | 000 | 000 | 070 | 000 | 000 | 085 | 000 |
| | 000 -1 | 030 090 | 030 100 | 040 000 | 180 040 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | ccc | 090 | 000 |
| L | 372 040 180 | 1967- 015 000 | -68 045 110 | 015 020 | 155 030 | 070 000 | 080 | 000 | 045 | 000 | 030 | 060 | 06C | 015 | 070 | 050 |
| L | 434 030 | 1967- 030 | -68 030 | 030 | 160 | 000 | 015 | 000 | 000 | 000 | 090 | 090 | oco | 000 | 050 | 070 |
| L | 180 435 020 | 000 1967 030 | 100 -68 045 | 040 | 170 | 040 | 015 | 000 | 000 | 000 | 090 | 080 | 000 | 000 | 060 | 030 |
| L | 150 451 | 050 1967 | 110 -68 | 000 | 050 | 040 | | | | | | | | | | |

| 020 150 | 020 045 120 105 | 015 030 | 155 035 | 060 000 | 090 | 000 | 060 | 000 | 060 | 070 | occ | cco | 090 | 060 |
|-----------------------------|---------------------------------------|------------|------------|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| L 458 C30 165 | 1967-68 020 035 105 090 | 030 000 | 150 000 | 060 045 | 000 | 000 | 000 | 030 | C90 | 090 | осс | ccc | 045 | cco |
| L 466 035 180 | 1967-68 020 070 120 095 | 070 000 | 185 090 | 000 015 | 000 | 000 | 000 | 000 | 000 | coo | cco | 000 | 090 | 060 |
| L 694 000 140 | 1967-68 020 060 165 -1 | 045 -1 | 175 -1 | 000 | 000 | 000 | 000 | 000 | 000 | coo | осс | cco | 080 | 000 |
| 015 000 | 1967-68 045 060 000 120 | 000 | 000 045 | υ00 040 | 000 | 000 | 000 | 000 | 000 | 000 | осс | oco | 095 | 000 |
| L1074 030 -1 | 1967-68 030 040 070 135 | 030 070 | 150 060 | 070 070 | 015 | 000 | 000 | 000 | 000 | 100 | 060 | 000 | 075 | 060 |
| 000 150 | 1967-68 030 045 120 080 | 050 000 | 180 015 | 000 030 | 000 | 000 | 000 | 000 | 000 | 060 | ccc | ccc | 105 | cco |
| C20 000 | 1967-68 040 040 000 135 | 045 030 | 150 045 | 060 055 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 075 | 000 |
| 000 160 | 1967-68 025 030 120 090 | 050 030 | 150 C80 | 000 | 000 | 000 | 000 | 000 | 000 | 060 | 070 | cco | 080 | 060 |
| M 100 | | | | | | | | | | | | | | |
| M 101 00 250 M 102 | 1967-68 55 00 125 -1 1967-68 | 40 -1 | 75 -1 | 135 -1 | 60 | 35 | 20 | 95 | 75 | 105 | 90 | 75 | 100 | 45 |
| M 103 45 240 M 104 | 1967-68 70 00 95 135 1967-68 | 80 00 | 110 70 | 90 60 | 45 | 00 | 20 | 80 | 125 | 95 | CO | 95 | 70 | 45 |
| M 124 | 1967-68 | | | | | | | | | | | | | |
| 065 150 | 045 060 060 155 1967-68 | 060 030 | 095 045 | 075 000 | 060 | 000 | 030 | 000 | 120 | 000 | 045 | 015 | 095 | 090 |
| 010 130 M 226 | 020 035 070 -1 1967-68 | 035 -1 | 135 -1 | 060 -1 | 075 | 000 | 000 | 060 | 085 | 090 | 045 | C30 | 095 | C20 |
| 040 145 M 228 | 065 040 065 120 1967-68 | 055 000 | 120 015 | 050 040 | 090 | 000 | 000 | 060 | 105 | 135 | 293 | C7C | 120 | 015 |

| 020 120 | 030 025 060 120 | 045 000 | 135 040 | 060 060 | 060 | 000 | 000 | 030 | 100 | 090 | 045 | 120 | 110 | 030 |
|---------------------------|--|------------|------------|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| " 230 060 180 | 1967-68 040 060 035 150 | 060 030 | 120 C40 | 060 060 | 090 | 000 | 000 | 060 | 130 | 090 | 060 | 075 | 215 | 030 |
| N A 020 210 | 1967-68 060 025 090 120 | 075 030 | 150 040 | 035 06ა | 060 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 115 | C30 |
| N B 025 240 | 1967-68 085 030 105 090 | 040 | 130 045 | 015 045 | 035 | 000 | 000 | 030 | 105 | 105 | Cec | 045 | 12C | C15 |
| N 1 −1 | 1967-68 -1 -1 | -1 000 | -1 015 | ~1 | -1 | 000 | 000 | 015 | 105 | C80 | 025 | CBO | -1 | -1 |
| 270 2 -1 | 1967-68 -1 -1 | -1 | -1 | 035 | 015 | 015 | 015 | 020 | 090 | 090 | 04C | 015 | 06C | 075 |
| 180 N 3 105 | 105 120 1967-68 055 020 | 040 | 0C0 140 | 015 | 100 | 015 | 015 | 035 | 120 | 070 | 040 | 075 | 115 | 060 |
| 180 N 4 015 | 100 120 1967-68 070 040 | 015 | 050 | 025 | 050 | 000 | 000 | 020 | C90 | 085 | 045 | C60 | 100 | 080 |
| 240 % 5 015 | 060 -1 1967-68 090 050 | -1 070 | 015 | 030 | -1 | 015 | 015 | 055 | 100 | 070 | C65 | C70 | 060 | 045 |
| 180 N 6 010 | 075 115 1967-68 095 050 | 050 | 040 | 030 | 080 | 015 | | | | | | | | |
| 180 N 7 | 045 -1 1967-68 | -1 | -1 | -1 | | | 015 | 020 | 135 | 080 | 020 | 100 | 100 | 060 |
| 005 170 v 8 | 070 040 105 120 | 075 025 | 175 045 | 050 035 | 080 | 015 | 015 | 055 | 110 | 075 | C35 | 065 | 090 | 100 |
| ۷ 9 015 | 1967-68 060 060 | 055 | 110 | 015 | 000 | 000 | 000 | 010 | C85 | 100 | 035 | C25 | 090 | 030 |
| 230 N 10 -1 | 060 120 1967-68 -1 -1 | 015 -1 | 000 | 025 | -1 | 015 | 015 | 040 | 110 | 100 | 04C | C9C | CBC | 120 |
| -1 N 11 | -1 125 1967-68 | 015 | 045 | 035 | | | | | | | | | | |
| -1 180 N 12 | -1 -1 140 120 | -1 020 | 170 055 | 065 045 | 095 | 015 | 015 | 015 | 110 | 105 | 050 | 120 | 105 | 120 |
| N 13 -1 210 N 14 | 1967-68 -1 -1 120 125 1967-68 | -1 050 | 180 C10 | 025 075 | 050 | 000 | 000 | 040 | 120 | 120 | 060 | 090 | 125 | 060 |

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                               045 000 000 000 120 105 055 065 090
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                 030
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                          035
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                020
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                          060
S 211
      1967-68
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| | 050 150 | 020 | 040 105 | 035 000 | 130 015 | 030 030 | 060 | 000 | 000 | 030 | 105 | 095 | C55 | C30 | 100 | 015 |
|----|-----------------|------------------|-----------------|------------|------------|------------|-----|------|-----|------|-----|-----|-------------|-----|------|-----|
| 5 | 212 -1 -1 | 1967 -1 -1 | -68 -1 -1 | -1 -1 | -1 -1 | -1 -1 | 050 | 000 | 000 | 045 | 120 | 105 | 055 | C9C | -1 | -1 |
| S | 215 | | | | | | | | | | | | | | | |
| S | 217 | 1967 | | | | | | | | | | | | | | |
| | -1 | - i | -1 | -1 | -1 | -1 | -1 | 000 | 000 | 075 | 150 | 150 | 000 | C30 | -1 | -1 |
| c | 195 221 | 070 1967 | 105 | 000 | 000 | 035 | | | | | | | | | | |
| 3 | 000 | 020 | 030 | 025 | 000 | 040 | 045 | 015 | 020 | 030 | 015 | 040 | 025 | 035 | 090 | 060 |
| | 240 | 000 | 090 | 040 | 000 | 035 | 047 | 013 | 020 | 0.50 | 017 | 040 | 023 | 0,, | C 70 | 000 |
| S | 231 | 1967 | | | 000 | 037 | | | | | | | | | | |
| | 030 | 020 | 100 | 030 | 165 | 065 | 040 | 000 | 000 | 030 | 115 | 080 | 065 | 120 | 075 | 040 |
| | 135 | 045 | 135 | 020 | 030 | 030 | | | | | | | | | | |
| 5 | 232 | 1967 | | | | | | | | | | | | | | |
| | 025 | 035 | 105 | 930 | 120 | 075 | 055 | COO | 000 | 030 | 120 | 090 | 055 | C90 | C9C | 065 |
| _ | 120 | 000 | 130 | 045 | 045 | 045 | | | | | | | | | | |
| 2 | 233 015 | 1967 090 | -68 055 | 030 | 095 | 015 | 060 | 000 | 000 | 015 | 105 | 000 | 0/5 | 000 | 105 | 020 |
| | 240 | 030 | 120 | 015 | 060 | 060 | 060 | 000 | 000 | 015 | 105 | 090 | 045 | C90 | 105 | 030 |
| ς | 234 | 1967 | | 013 | 000 | 080 | | | | | | | | | | |
| 3 | 015 | oic | 030 | 015 | 140 | 015 | 130 | 000 | 000 | 030 | 140 | 220 | 050 | 060 | 180 | 015 |
| | 220 | 000 | 190 | 000 | 065 | 015 | 130 | 300 | 000 | 0,50 | | | 0,50 | 000 | 100 | 0.7 |
| S | 235 | 1967 | | | | | | | | | | | | | | |
| | 045 | 075 | 015 | 060 | 000 | 035 | 065 | 000 | 015 | 035 | 120 | 090 | 015 | C40 | 045 | 025 |
| | 225 | 050 | 090 | 030 | 000 | 035 | | | | | | | | | | |
| S | 236 | 1967 | | | | | | | | | | | | | | |
| | 030 | 120 | 040 | 030 | 135 | 030 | 150 | 000 | 000 | 045 | 100 | 075 | 045 | 075 | 075 | 060 |
| ,. | 240 | 120 | 135 | 050 | 015 | 030 | | | | | | | | | | |
| 2 | 238 | 1967 | | | 015 | 015 | 070 | 0.20 | 216 | 015 | 040 | 055 | 015 | | | |
| | -1 080 | -1 06C | -1 100 | -1 060 | 015 040 | 015 015 | 070 | 020 | 015 | 015 | 060 | 055 | 015 | 125 | 125 | 120 |
| ς | 241 | 1967 | | 000 | 040 | 015 | | | | | | | | | | |
| , | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 000 | 000 | 075 | CBC | 120 | 045 | C30 | 135 | 040 |
| | 120 | 090 | 110 | 000 | 030 | 030 | • | 000 | 000 | 0.5 | 550 | | 4 42 | 030 | | 040 |
| S | 242 | 1967 | | | | | | | | | | | | | | |
| | 045 | 075 | 045 | 035 | 120 | 075 | 060 | 000 | 000 | 025 | 105 | 115 | 045 | 055 | -1 | -1 |
| | 150 | -1 | -1 | -1 | -1 | -1 | | | | | | | | | | |
| S | 249 | | | | | | | | | | | | | | | |
| r | 251 | 1043 | _ 4 0 | | | | | | | | | | | | | |
| > | 251 060 | 1967 065 | -68 045 | 050 | 135 | 075 | 060 | 000 | 030 | 045 | 075 | 095 | 04.0 | 035 | 04.5 | 075 |
| | 195 | 105 | 120 | 010 | 025 | 015 | 000 | 000 | 030 | 049 | 013 | 073 | 060 | 025 | 065 | 075 |
| ς | 255 | 100 | 120 | 010 | 029 | 013 | | | | | | | | | | |
| J | | | | | | | | | | | | | | | | |

\$ 256

| ٧ | 85 045 120 | 1967-68 025 045 -1 125 | 000 060 | 125 060 | 020 015 | 000 | 000 | 000 | 045 | 120 | 080 | 055 | cco | 090 | 060 |
|----|------------------|------------------------------|------------|------------|------------|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|
| ٧ | 121 | 1967-68 | | | | | | | | | | | | | |
| ν | 136 | 1967-68 | | | | | | | | | | | | | |
| | -1 | -1 -1 | -1 | 120 | 060 | 065 | 015 | 050 | 015 | 135 | C70 | 015 | C70 | 090 | C90 |
| | 135 | 060 120 | 060 | 080 | 015 | | | | | | | | | | |
| ٧ | 165 | 1967-68 | | | | | | | | | | | | | |
| | 030 | 035 035 | 000 | 130 | 075 | 055 | 1000 | 045 | 045 | 105 | 070 | 045 | 035 | 065 | 030 |
| | 135 | 000 125 | 060 | 060 | 000 | | | | | | | | | | |
| V | 166 | 1967-68 | | | | | | | | | | | | | |
| | 030 | 025 025 | 025 | 105 | 035 | 015 | 000 | 000 | 015 | 105 | 075 | 045 | C30 | 050 | 010 |
| | 150 | 015 125 | 015 | 060 | 060 | | | | | | | | | | |
| ٧ | 167 | 1967-68 | | | | | | | | | | | | | |
| | 035 | 015 030 | 000 | 120 | 055 | 000 | 000 | 000 | 070 | 115 | 085 | 060 | COO | 090 | 050 |
| | 150 | 000 120 | 000 | 060 | 045 | | | | | | | | | | |
| ٧ | 168 | 1967-68 | | | | | | | | | | | | | |
| | 025 | 015 035 | 000 | 180 | 015 | 000 | 000 | 000 | 060 | C8C | 100 | 045 | COO | 075 | -1 |
| | 180 | 075 085 | 015 | 000 | 045 | | | | | | | | | | |
| ٧ | 169 | | | | | | | | | | | | | | |
| | 045 | 025 035 | 000 | 110 | 000 | 000 | 000 | 000 | 045 | C85 | 070 | CCC | COO | 070 | 070 |
| | 160 | 000 090 | 000 | 065 | 020 | | | | | | | | | | |
| ٧ | 170 | 1967-68 | | | | | | | | | | | | | |
| | -1 | -1 -1 | -1 | 155 | 060 | 000 | 000 | 000 | 000 | 065 | 060 | 000 | 000 | -1 | -1 |
| | 150 | 060 -1 | -1 | -1 | -1 | | | | | | | | | | |
| ٧ | 171 | 1967-68 | | | | | | | | | | | | | |
| | 045 | 030 045 | 000 | 170 | 065 | 050 | 000 | 000 | 000 | 080 | 065 | 000 | 000 | 095 | 045 |
| | 150 | 030 110 | 030 | 060 | 000 | | | | | | | | | | |
| ٧ | 172 | 1967-68 | | | | | | | | | | | | | |
| | 045 | 015 045 | 030 | 120 | 075 | 065 | 000 | 000 | 000 | 120 | 075 | occ | 000 | 075 | 060 |
| | 180 | 000 120 | 000 | 030 | 000 | | | | | | | | | | |
| ٧ | 173 | 1967-68 | | | | | | | | | | | | | |
| | 050 | 020 025 | 030 | 120 | 070 | 060 | 000 | 000 | 000 | 120 | 075 | 030 | CCO | 065 | 060 |
| | 135 | 060 135 | 030 | 080 | 000 | | | | | | | | | | |
| ٧ | 174 | 1967-68 | | | | | | | | | | | | | |
| | 035 | 030 060 | 035 | 120 | 120 | 000 | 015 | 090 | 000 | 120 | 065 | CCC | COO | C90 | 060 |
| | 180 | 600 180 | 040 | 080 | 060 | | | | | | | | | | |
| ٧ | 175 | 1967-68 | | | | _ | | | | | | | | | _ |
| | 40 | 15 10 | 20 | 120 | 75 | 0 | 0 | 0 | 45 | 90 | 90 | 30 | 0 | 75 | 45 |
| ., | 135 | 060 -1 | -1 | -1 | -1 | | | | | | | | | | |
| ٧ | 188 | 1967-68 | | | | | | | | | | | | | |
| | 030 | 020 020 | 000 | 160 | 060 | 000 | 000 | 000 | 045 | 080 | 090 | C5C | 000 | 075 | 035 |
| | 135 | 000 080 | 000 | C60 | 020 | | | | | | | | | | |
| ٧ | 189 | 1967-68 | | | | | | | | | | | | | |

| | 035 | 020 | 020 | 020 | 180 | 075 | 000 | 000 | 000 | 050 | 080 | 050 | 030 | CCC | 065 | 015 |
|---|------------|-------------|------------|------------|------------|------------|-------|-----|-----|-------------|-----|-----|-----|-----|-------|------|
| ٧ | 150 190 | -1 1967· | 120 -68 | 000 | 015 | 030 | | | | | | | | | | |
| | -1 | -1 | - 1 | -1 | 165 | 000 | 000 | 000 | 000 | 060 | C80 | C75 | CCC | CCC | 075 | 000 |
| | 180 | 030 | 095 | 000 | 000 | 015 | | | | | | | | | | |
| ٧ | 191 | 1967 | - | 200 | 100 | 0.75 | 000 | 000 | 000 | 0.00 | 005 | 000 | 000 | 215 | 070 | 015 |
| | 030 180 | 020 045 | 045 090 | 000 000 | 180 095 | 075 000 | 000 | 000 | 000 | 000 | 095 | 090 | 000 | 015 | 070 | 045 |
| v | 192 | 1967 | - | 000 | 095 | 000 | | | | | | | | | | |
| ٠ | 035 | 020 | 030 | 000 | 180 | 000 | 000 | 000 | 000 | 090 | 090 | 075 | occ | oco | 070 | 060 |
| | 155 | 060 | 065 | 000 | 000 | 020 | ••• | ., | | | • | | | ••• | • • • | |
| ٧ | 193 | | | | _ | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| v | 194 | 1967 | -68 | | | | | | | | | | | | | |
| | 000 | 030 | 030 | 000 | 190 | 075 | 000 | 000 | 000 | 090 | 090 | 120 | CéC | CCO | 09C | 060 |
| | 180 | 060 | 120 | 000 | 000 | 060 | | | | | | | | | | |
| ٧ | 196 | 1967 | _ | | | | | | | | | | | | | _ |
| | 045 150 | 020 | 030 -1 | 035 | 135 | 000 | 030 | 000 | 000 | 000 | 000 | C70 | C15 | 045 | -1 | -1 |
| v | 198 | -1 1967: | | -1 | -1 | -1 | | | | | | | | | | |
| ٧ | 045 | 030 | 060 | 040 | 140 | 075 | 015 | 000 | 060 | 015 | 120 | 090 | 045 | 000 | 070 | 060 |
| | 240 | 000 | 120 | 030 | 060 | 060 | 017 | 000 | 000 | 4. 7 | 120 | 0,0 | 013 | 000 | 0.0 | 000 |
| ٧ | 206 | 1967 | | | | | | | | | | | | | | |
| | 030 | 020 | 025 | 015 | 180 | 000 | 000 | 000 | 000 | 000 | 090 | 070 | 000 | CCO | 075 | 050 |
| | 150 | 030 | 100 | 020 | C90 | 015 | | | | | | | | | | |
| ٧ | 207 | 1967 | | 0.5 | 1.0 | 075 | 0.4.0 | 215 | | A | | 036 | | 215 | 036 | 05.0 |
| | 040 195 | 030 000 | 045 150 | 045 060 | 160 060 | 075 080 | 060 | 015 | 060 | 060 | 120 | 075 | 03C | 015 | 075 | 050 |
| v | 209 | 1967 | | 080 | 000 | 000 | | | | | | | | | | |
| • | -1 | -1 | -1 | -1 | 000 | 075 | 000 | 030 | 030 | 070 | 105 | C75 | 060 | C50 | 07C | 060 |
| | 100 | -1 | 105 | 080 | 000 | 000 | | | | | | | • | | | |
| ٧ | 221 | 1967 | -68 | | | | | | | | | | | | | |
| | 025 | 035 | 030 | 025 | 105 | 015 | 065 | 000 | 000 | 075 | 120 | 090 | 060 | C60 | 090 | 045 |
| | 120 | 060 | 100 | 065 | 045 | 060 | | | | | | | | | | |
| ٧ | 224 030 | 1967 020 | -68 030 | 030 | 145 | 050 | 045 | - 1 | • | , | , | , | , | , | 000 | 040 |
| | 190 | 000 | 135 | 015 | 165 040 | 050 000 | 065 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 090 | 060 |
| V | 225 | 1967 | | | U-7U | 000 | | | | | | | | | | |
| | 050 | 020 | 035 | 055 | 180 | 060 | 000 | 000 | 000 | 045 | 075 | 075 | 035 | oco | 060 | 045 |
| | 150 | 000 | 125 | 020 | 070 | 000 | | | | | | - | | | | |
| ٧ | 227 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

v 232

BAND DURATION 1968-69

| А | 21 | 1968 | -69 | | | | | | | | | | | | | |
|----|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------|------------|------------|------------|------------|
| | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | - 1 | -1 | -1 | -1 |
| | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | ~1 | -1 | -1 | 075 | 000 | 000 | 220 | 155 |
| | 000 | 180 | 000 | -1 | 165 | 090 | 000 | 095 | 025 | | | | | | | |
| Δ | 23 | 1968 | | | | | | | 000 | | 015 | 1.40 | 030 | 030 | 000 | 000 |
| | -1 015 | -1 080 | -1 040 | -1 085 | -1 090 | -1 070 | -1 010 | -1 000 | 000 015 | 000 045 | 015 075 | 140 060 | 070 000 | C70 CCC | 000 200 | 000 120 |
| | -1 | -1 | ~1 | -1 | -1 | -1 | 000 | 000 | 015 | 049 | 075 | 060 | 000 | | 200 | 120 |
| Δ | 24 | 1968 | _ | | - 1 | | 000 | 000 | 015 | | | | | | | |
| ., | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 000 | 000 | 065 | 115 | 100 | 090 | 065 | C15 |
| | 060 | 080 | 035 | 095 | 040 | 075 | 000 | 015 | 020 | 085 | 085 | 065 | occ | 015 | 180 | -1 |
| | -1 | -1 | -1 | -1 | -1 | -1 | 000 | -1 | -1 | | | | | | | |
| Λ | 26 | 1968 | -69 | | | | | | | | | | | | | |
| | -1 | -1 | -1 | -1 | 060 | 000 | 060 | 090 | -1 | -1 | -1 | - 1 | -1 | -1 | -1 | -1 |
| | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | - 1 | -1 | -1 | -1 | -1 | -1 | -1 |
| ۸ | ~ l | -1 | -1 | -1 | -1 | -1 | 000 | 000 | 030 | | | | | | | |
| A | 27 -1 | 1968 -1 | -69 -1 | -1 | 035 | 000 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | - 1 - 1 | -1 | -1 | -1 |
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| A | 29 | 1968 | _ | - | • | • | | 030 | 02.5 | | | | | | | |
| | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 050 | 095 | 105 | C50 | 065 | 085 |
| | 070 | 050 | 020 | 115 | 090 | 055 | 090 | 000 | 055 | 000 | 070 | 085 | OCC | 000 | 220 | 140 |
| | 060 | 220 | 165 | 070 | 175 | 060 | 000 | 090 | 050 | | | | | | | |
| A | 3 i | 1968 | | | | | | | | | | | | | | |
| | -1 075 | -1 055 | -1 010 | -1 110 | -1 -1 | -1 -1 | -1 030 | -1 000 | 000 | 000 | 060 C70 | 085 | 100 000 | 050 | 075 | 000 |
| | 000 | 270 | 060 | 040 | 140 | 100 | 000 | 100 | 030 | 000 | 070 | 070 | | 000 | 220 | 140 |
| ۵ | 31 | 1968 | | 0417 | 140 | 100 | 000 | 100 | 0.00 | | | | | | | |
| · | -1 | -1 | -1 | -1 | 000 | 000 | 015 | 180 | 000 | 000 | -1 | -1 | -1 | -1 | -1 | -1 |
| | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| | -1 | -1 | -1 | -1 | -1 | -1 | 000 | 050 | 015 | | | | | | | |
| Δ | 32 | 1968 | | | | | | | | | | | | | | |
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| Δ | | 1968 | | 050 | 130 | 060 | 025 | 055 | 050 | | | | | | | |
| _ | -1 | -1 | -1 | -1 | 000 | 000 | 000 | 180 | 000 | 000 | 000 | 110 | 110 | 055 | 015 | 000 |
| | COO | 060 | 015 | 065 | 050 | 035 | 000 | 000 | 015 | 000 | 040 | 085 | oco | 000 | 200 | 070 |
| | 000 | 225 | 000 | 015 | 160 | 095 | -1 | 100 | 050 | | | | | | | - , • |
| Δ | 34 | 1968 | -69 | | | | | | | | | | | | | |
| | -1 | - 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | - 1 | 000 | 100 | 090 | 050 | 035 | COO |
| | 000 | 035 | 020 | 030 | 045 | 040 | 015 | 050 | 015 | 000 | 030 | 070 | 000 | 000 | 120 | -1 |
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| Δ | 35 ~1 | 1968 -ì | -69 -1 | -1 | -1 | -1 | -1 | -1 | 000 | 000 | 000 | 0.90 | 110 | 015 | 060 | 000 |
| | 000 | 075 | 000 | 055 | 060 | 090 | 110 | 015 | 020 | 000 | C70 | 080 085 | 11C CCC | 015 CCC | 060 -1 | 000 |
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| Δ | 36 | 1968 | _ | - | - | - | • | | | | | | | | | |
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| | 000 | 035 | 035 | 000 | 020 | 060 | 000 | 060 | 015 | 000 | 085 | 065 | 015 | 000 | 035 | 075 |
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| E 3465 | 1968 | | 30 | | | Ū | | 0,5 | | | | | | | |
| 120 | 040 | 060 | 030 | -1 | -1 | 090 | 135 | 075 | 030 | 075 | 150 | 18C | C75 | 090 | 120 |
| 075 | 075 | 030 | 075 | 095 | 120 | 030 | 060 | 075 | 090 | 100 | 015 | C4C | 300 | 15C | 240 |
| 105 | 310 | 150 | 040 | 140 | 075 | 000 | 080 | 060 | | | | | | | |
| £3751 | 1968 | -69 | | | | | | | | | | | | | |
| 075 | 030 | 020 | 045 | 000 | 140 | 000 | 185 | 000 | 000 | 045 | 200 | 18C | C70 | 135 | 015 |
| 155 | 07 0 | 030 | 100 | 125 | 120 | 120 | 095 | 040 | 090 | 085 | C15 | C15 | 225 | 195 | 155 |
| C90 | 320 | 150 | 075 | 130 | 075 | 020 | 070 | 030 | | | | | | | |
| E4144 | 1968 | -69 | | | | | | | | | | | | | |
| 105 | 025 | 035 | 060 | C70 | 030 | 060 | 185 | 055 | 045 | 080 | 140 | 105 | C65 | 09C | 120 |
| 130 | 070 | 025 | 140 | 110 | 090 | 060 | 000 | 060 | 060 | 105 | 075 | 05C | 235 | 160 | 135 |
| 090 | 205 | 140 | 050 | 155 | 120 | - 1 | 150 | 060 | | | | | | | |
| E4767 | 1968 | | | | | | | | | | | | | | |
| 060 | 045 | 045 | 045 | 015 | 045 | 075 | 150 | -1 | -1 | 075 | 135 | C95 | 055 | 075 | 150 |
| 170 | 070 | 030 | 110 | -1 | -1 | -1 | - 1 | - 1 | -1 | - 1 | 100 | CCC | 240 | 090 | 150 |
| 080 | 175 | 150 | 045 | 160 | 135 | -1 | 105 | 060 | | | | | | | |
| E4867 | 1968 | | | | | | | | | | | | | | |
| 090 | C30 | 035 | 060 | 040 | 115 | 000 | 155 | 000 | 000 | 075 | 145 | 200 | 105 | 120 | 120 |
| 125 | 090 | 030 | 100 | 080 | 130 | 170 | 095 | 050 | 105 | 060 | 050 | 04C | 180 | 300 | 175 |
| 110 | 320 | 130 | 050 | 180 | 080 | 035 | 060 | 040 | | | | | | | |
| £5098 | 1968 | | | | | | | | | | | | | | |
| 090 | 060 | 095 | 060 | 060 | 045 | 015 | 165 | 055 | 015 | C45 | 090 | 145 | C75 | 105 | 015 |
| 060 | 040 | 030 | 110 | 030 | 070 | 015 | 090 | 040 | 080 | 105 | 015 | CCO | 120 | 275 | 090 |
| 135 | 270 | 000 | 045 | 185 | 050 | 000 | 060 | 090 | | | | | | | |
| E5151 | 1968 | | | | | | | | | | | | | | _ |
| 085 | 015 | 040 | 000 | 000 | 015 | 060 | 000 | 000 | 000 | 090 | 155 | 085 | 110 | -1 | -1 |
| 085 | 155 | 025 | 120 | 095 | 065 | 075 | 000 | 075 | 090 | 105 | 060 | occ | CCC | 24C | 17C |
| 000 | 060 | 000 | 015 | 165 | 100 | 000 | 105 | 040 | | | | | | | |
| E5184 | 1968 | | | | | 005 | | | | | | | | | |
| 120 | 040 | 045 | 000 | 065 | 140 | 095 | 170 | 090 | 060 | 14C | 160 | 105 | 100 | 08C | 165 |
| 140 | 090 | 030 | 160 | 115 | 180 | 015 | 090 | 070 | 045 | 080 | 090 | 05C | 220 | 000 | 185 |
| 60 | 185 | 180 | 55 | 175 | 80 | 0 | 115 | 90 | | | | | | | |
| E5756 | 1968 | | 000 | 000 | 000 | , | 000 | 000 | 000 | 000 | 104 | 600 | 050 | 0.40 | |
| 040 000 | 020 050 | 025 | 000 075 | 000 045 | 000 090 | -1 | 000 | 000 | 000 | 000 | 105 | C9C | C50 | 060 | 000 |
| 015 | 300 | 025 150 | 055 | 165 | 090 | 150 | 090 | 000 | 000 | 065 | COO | C6C | 015 | 24C | 165 |
| E6006 | 1968 | | 055 | 100 | 095 | 000 | 055 | 030 | | | | | | | |
| -1 | -1 | -1 | -1 | 000 | -1 | 000 | 165 | 000 | 000 | 000 | 200 | 160 | 115 | 110 | 105 |
| 150 | 060 | 030 | 105 | 120 | 140 | 150 | 110 | 070 | 090 | 080 | 000 | 050 | 300 | 220 | -1 |
| -1 | -1 | -1 | -i | -1 | -1 | 030 | 050 | 030 | 090 | 080 | 000 | 050 | 300 | 220 | - 1 |
| E6624 | 1968 | _ | • | | - 1 | 0,0 | 0,0 | 030 | | | | | | | |
| -1 | -1 | -1 | -1 | -1 | - 1 | - 1 | -1 | 000 | 000 | COO | 105 | 120 | Céc | 075 | cco |
| ccō | 055 | 040 | 060 | 075 | 105 | 120 | 015 | 015 | 050 | 015 | 000 | 000 | 000 | 120 | 045 |
| 000 | 330 | 055 | 030 | 120 | 080 | 000 | -1 | -1 | 0 7 0 | 013 | 000 | 000 | 000 | 120 | 043 |
| E6736 | 1968 | | 0,0 | 120 | 000 | 000 | • | • | | | | | | | |
| 060 | 000 | 060 | 000 | 060 | 085 | 075 | 150 | 050 | 040 | 120 | 170 | 105 | C90 | 09C | 165 |
| 140 | 080 | 030 | 120 | 105 | 155 | 095 | 000 | 040 | 090 | 090 | 090 | C35 | 200 | 23C | 210 |
| 65 | 210 | 150 | 35 | 160 | 105 | 0 | 150 | 65 | 0,0 | 0,0 | 0,0 | | 200 | 230 | 210 |
| £7735 | 1968 | | | | | Ŭ | 0 | 9,7 | | | | | | | |
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| 050 155 | | 060 040 | 060 100 | 000 080 | 000 140 | 000 120 | 105 -1 | 000 -1 | 000 -1 | 075 -1 | 105 060 | 130 015 | C50 180 | 07C 165 | 110 165 |
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| 095 | 310 | 145 | 090 | 160 | -1 | 045 | 080 | 045 | • | • | | 017 | 1.70 | 103 | 103 |
| E 7946 | 1968- | | • • • | | • | 0.5 | ••• | 417 | | | | | | | |
| 125 | 045 | 030 | 040 | 075 | 080 | 060 | 120 | 050 | 050 | 095 | 160 | 130 | C55 | 080 | 120 |
| 140 | 050 | 030 | 130 | 115 | 095 | 060 | 000 | 015 | 060 | 070 | 105 | 035 | 220 | 145 | 115 |
| 100 | | 150 | 045 | 150 | 095 | 075 | 155 | 060 | • | | | | | • | |
| E8697 | 1968- | 69 | | | | | | | | | | | | | |
| 110 | 035 | 015 | 045 | 060 | 030 | 075 | -1 | 060 | 040 | 105 | 170 | 135 | 095 | 050 | 015 |
| 055 | 020 | 015 | 050 | -1 | -1 | -1 | -1 | 000 | 060 | C40 | 120 | 045 | 210 | 180 | 090 |
| 075 | 195 | 135 | 035 | 145 | 060 | -1 | 135 | 030 | | | | | | | |
| £8752 | 1968- | 69 | | | | | | | | | | | | | |
| 070 | 035 | 050 | 000 | 000 | 000 | 000 | 195 | 000 | 000 | 100 | 095 | 105 | C60 | COC | 135 |
| 000 | 070 | 015 | 025 | 065 | 075 | 135 | 000 | 040 | 015 | 065 | 075 | OCC | CCO | 200 | 135 |
| 000 | 120 | 000 | 040 | 165 | 105 | 000 | 095 | 035 | | | | | | | |
| E8832 | 1968- | 69 | | | | | | | | | | | | | |
| 120 | 040 | 075 | 030 | 000 | 075 | 000 | 150 | 000 | 000 | 040 | 060 | 120 | 015 | 065 | 015 |
| COO | 035 | 020 | 050 | C30 | 040 | 015 | 090 | 020 | 015 | 080 | 045 | CCC | 190 | 24C | C70 |
| 000 | 160 | 155 | 035 | 180 | 090 | 000 | 065 | 100 | | | | | | | |
| E4049 | 1968- | 69 | | | | | | | | | | | | | |
| C85 | 050 | 015 | 050 | 000 | 110 | 000 | 180 | 040 | 045 | 000 | 140 | 170 | C80 | 120 | 000 |
| 150 | 050 | 020 | 075 | 130 | 120 | 120 | 110 | 050 | 090 | 100 | 000 | - 1 | - 1 | -1 | 180 |
| 095 | 310 | 160 | 060 | 130 | 100 | -1 | 060 | 060 | | | | | | | |
| £9221 | 1968- | | | | | | | | | | | | | | |
| 080 | 045 | 055 | 045 | U60 | 055 | 105 | 150 | 050 | 000 | -1 | - 1 | - 1 | - 1 | 085 | 155 |
| 160 | 065 | 030 | 150 | -1 | -1 | -1 | 000 | 070 | 100 | 090 | -1 | OCC | 210 | 25C | 210 |
| 65 | 200 | 150 | 65 | 150 | 105 | 0 | 1 | 1 | | | | | | | |
| E9283 | 1968- | | _ | _ | _ | | | _ | _ | | | | | | |
| 120 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 000 | 075 | 140 | 015 | -1 | 120 |
| 100 | 065 | 025 | 115 | 080 | 195 | 105 | 030 | 030 | 000 | 060 | 070 | occ | CCO | 16C | 090 |
| 000 | 245 | -1 | -1 | -1 | 095 | 000 | 075 | 035 | | | | | | | |
| E9458 | | | | | | | | | | | | | | | |
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| E9512 | 1968- | -69 | | | | | | | | | | | | | |
| 090 | 030 | 095 | 080 | 060 | 075 | 000 | 000 | 065 | 075 | 075 | 115 | 190 | 045 | 080 | 110 |
| 045 | 070 | 025 | 080 | 045 | 100 | 095 | 095 | 060 | 090 | 105 | 120 | 045 | 21C | 090 | 195 |
| 015 | 300 | 135 | 065 | 120 | 120 | 000 | 060 | 025 | • | | | 0,12 | | • • • | |
| L 6 | 1968- | - | | | | | | | | | | | | | |
| 115 | 030 | 015 | 060 | 000 | 120 | 000 | 100 | 000 | 000 | -1 | -1 | - 1 | -1 | 105 | 130 |
| 145 | 140 | 030 | 130 | 060 | 075 | 140 | -1 | -1 | -1 | -1 | 075 | - 1 | 225 | 240 | 175 |
| 070 | 300 | 105 | 020 | 075 | 080 | 060 | - 1 | -1 | | | | | | | |
| L 10 | 1968- | -69 | | | | | | | | | | | | | |
| 040 | 030 | 015 | 025 | -1 | - 1 | 000 | 120 | 000 | 000 | 030 | 145 | 145 | C90 | 07C | 150 |
| 110 | 070 | 030 | 080 | 050 | 100 | 155 | 100 | 055 | 105 | C90 | -1 | CCC | 220 | 260 | -1 |
| -1 | -1 | -1 | -1 | -1 | -1 | 070 | 045 | 025 | | | | | | | |
| L 11 | 1968- | | | | | | | | | | | | | | |
| 120 | 030 | 010 | 050 | 050 | 130 | 000 | 150 | 000 | 000 | 060 | 130 | 15C | 120 | 080 | 150 |
| 155 | 085 | 025 | 105 | 050 | 100 | 155 | 110 | -1 | -1 | - 1 | -1 | CCC | 220 | 220 | 160 |
| 095 | 315 | 040 | 015 | 080 | 100 | 020 | 030 | 035 | | | | | | | |
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| | 2.2 | 1040 | | | | | | | | | | | | | | |
|---|-----|------|-----|---|-----|--------|------|------|-----|------|-------|-----|-----|------------|-----|-------|
| L | 33 | 1968 | | | | | | | | | | | | | | |
| | 110 | 030 | 015 | 04-5 | 000 | 130 | 000 | 175 | 000 | 000 | 045 | 120 | 185 | 090 | 090 | 015 |
| | 160 | 065 | 020 | 085 | 115 | 115 | 150 | 090 | 040 | 090 | 105 | - 1 | 050 | 220 | 205 | 150 |
| | C90 | 330 | 160 | 065 | 150 | 110 | 040 | 055 | 030 | | | | | | | |
| L | 46 | 1968 | -69 | | | | | | | | | | | | | |
| _ | 080 | 055 | 000 | 030 | 000 | 120 | 000 | 165 | 000 | 000 | 000 | 135 | 135 | 120 | 105 | 14C |
| | 145 | 080 | 025 | 090 | 130 | 135 | 120 | 070 | 050 | 090 | 090 | coo | ücc | 210 | 200 | 110 |
| | 095 | 310 | 155 | | | | | | | 0 90 | 0 9 0 | 000 | 000 | 210 | 200 | 110 |
| | | | _ | 065 | 110 | 110 | 030 | 070 | 045 | | | | | | | |
| L | 52 | 1968 | | | | | | | | | | | | | | |
| | 055 | 070 | 000 | 035 | 000 | 100 | 000 | 180 | 020 | 020 | 000 | 135 | 200 | 095 | 10C | 110 |
| | 120 | 060 | 025 | 085 | 145 | 130 | 140 | 085 | 045 | 095 | 075 | COO | 070 | 210 | 20C | 130 |
| | 080 | 330 | 130 | 070 | 135 | 120 | -1 | -1 | - 1 | | | | | | | |
| L | 53 | 1968 | -69 | | | | | | | | | | | | | |
| | 080 | C65 | 020 | 035 | 000 | 130 | 000 | 180 | 000 | 060 | COO | 130 | 140 | C9C | 110 | 13C |
| | 190 | 045 | 030 | 100 | 150 | 125 | 150 | 105 | 045 | 075 | 080 | 000 | CCC | 205 | 21C | 190 |
| | 080 | 305 | 145 | 075 | 125 | 120 | 015 | 050 | 030 | 0,5 | 000 | 000 | 000 | 20) | 210 | 170 |
| | | | _ | 017 | 127 | 120 | 017 | 000 | 030 | | | | | | | |
| L | 54 | 1968 | | | | | | | | | _ | | | _ | | |
| | -1 | -1 | -1 | -1 | 000 | 085 | 000 | 180 | 000 | 000 | -1 | -1 | - 1 | - 1 | 100 | 000 |
| | 050 | -1 | -1 | -1 | 145 | 125 | 165 | 090 | 035 | 090 | 085 | COC | CCC | 18C | 215 | 175 |
| | 085 | 295 | 130 | 080 | 150 | 110 | 045 | 070 | C45 | | | | | | | |
| L | 128 | 1968 | -69 | | | | | | | | | | | | | |
| | -1 | -1 | -1 | -1 | 000 | 120 | 000 | 120 | 000 | 060 | 050 | 145 | 185 | 120 | 105 | 150 |
| | - 1 | -1 | -1 | -1 | 075 | 145 | 145 | 100 | 060 | 085 | 115 | - 1 | U5C | 205 | 270 | 095 |
| | 070 | 315 | 180 | 085 | 210 | 085 | -1 | 050 | 040 | 00. | • • • | - | -,, | 200 | | • , , |
| | 179 | 1968 | | • | | 002 | • | 0,0 | 0.0 | | | | | | | |
| - | 040 | 000 | 000 | 000 | coo | 100 | 000 | 145 | 000 | 000 | 060 | 150 | 15C | 100 | 115 | 120 |
| | | | - | | | | | _ | - | | | 150 | | | | 120 |
| | 120 | 065 | 000 | 100 | 115 | -1 | -1 | 110 | 060 | 060 | 090 | - 1 | 055 | 200 | 17C | 185 |
| | 080 | 280 | 150 | 060 | 110 | 085 | 015 | 060 | 025 | | | | | | | |
| L | 191 | 1968 | | | | | | | | | | | | | | |
| | 120 | 020 | 020 | 040 | 000 | 090 | 000 | 130 | 000 | 000 | 030 | 120 | 15C | C70 | 120 | 030 |
| | 040 | -1 | -1 | -1 | 090 | 090 | 150 | 075 | 025 | 050 | 090 | 000 | 025 | 21C | - 1 | 190 |
| | 025 | 315 | 125 | 000 | 135 | 060 | 020 | 040 | 020 | | | | | | | |
| L | 213 | 1968 | -69 | | - | | | | | | | | | | | |
| _ | 140 | 025 | 020 | 000 | 000 | 090 | 000 | 120 | 000 | 000 | CéC | 120 | 165 | 140 | 135 | 150 |
| | 160 | 070 | 025 | 115 | 095 | 100 | 145 | 075 | 045 | 080 | 100 | -1 | 030 | 215 | 210 | 175 |
| | 075 | 280 | 045 | 000 | 000 | 070 | 010 | 030 | | 000 | 100 | - 1 | 030 | 217 | 210 | 117 |
| | | | _ | 000 | 000 | 010 | 010 | 030 | 025 | | | | | | | |
| L | 250 | 1968 | | | | 0.77.5 | 000 | 0.75 | | ••• | | | | | | |
| | -1 | -1 | -1 | -1 | 000 | 075 | 000 | 075 | 000 | 000 | 000 | 090 | 115 | 105 | 090 | 000 |
| | oco | 075 | 030 | 085 | 125 | 110 | 155 | 045 | 000 | 075 | C8C | COO | - 1 | - 1 | 18C | 165 |
| | 070 | 260 | 150 | 055 | 140 | 085 | 015 | 105 | 045 | | | | | | | |
| L | 259 | 1968 | -69 | | | | | | | | | | | | | |
| | 120 | C30 | 010 | 035 | 000 | 150 | 000 | 175 | 000 | 000 | 030 | 140 | 170 | C80 | 110 | 140 |
| | 150 | 095 | 020 | 100 | 125 | 120 | 160 | 090 | 070 | 100 | 090 | 070 | 030 | 190 | 240 | 170 |
| | 090 | 33C | 160 | 065 | 150 | 120 | 060 | 070 | 020 | | | • | | | | |
| | 292 | 1968 | | | 1,0 | | 0.70 | 0,0 | 020 | | | | | | | |
| _ | -1 | 060 | 025 | 040 | 000 | 100 | 000 | 060 | 000 | 000 | 000 | 160 | 150 | 100 | 006 | 120 |
| | | | _ | | | | _ | | 000 | 000 | 000 | 150 | 15C | 100 | 095 | 130 |
| | 125 | - i | -1 | -1 | 060 | 080 | 140 | 100 | 050 | 090 | 080 | 040 | occ | 200 | 240 | 18C |
| | 085 | 310 | 110 | 030 | 120 | 105 | 060 | 050 | 025 | | | | | | | |
| L | 303 | 1968 | | | | | | | | | | | | | | |
| | 140 | 030 | 000 | 025 | 000 | 100 | 000 | 130 | 000 | 000 | 000 | 1+0 | 15C | 110 | 100 | 070 |
| | 110 | 065 | 040 | 110 | 120 | 090 | 170 | 100 | 060 | 060 | 100 | COO | 030 | 200 | 17C | 195 |
| | | | | | | | | | | | | | | | | |

| 110 | 090 L 372 | 300 | 110 | 040 | 100 | 090 | 020 | 050 | 020 | | | | | | | |
|--|--------------|------|-----|-------------|------|-----|----------|---------|-------|------|-----|-----|-----|-------|---------|-----|
| 150 | | _ | | 040 | 000 | 130 | 000 | 180 | 060 | 040 | 000 | 140 | 170 | 095 | 100 | coo |
| Color Colo | | _ | | | | | | | | | | | | | | |
| 1 | | | | | | | | - | | 0,0 | | | ••• | | | |
| -1 | | | | ••• | | | | • • • • | | | | | | | | |
| 135 | | | _ | -1 | 030 | 115 | 000 | 150 | 000 | 000 | 000 | 150 | 160 | 090 | 130 | 130 |
| Color | 135 | 095 | 015 | 110 | 085 | 130 | 140 | -1 | - 1 | -1 | -1 | | | 320 | 270 | |
| 135 | 080 | | 155 | 025 | 180 | 095 | 025 | 065 | 045 | _ | _ | _ | | | | |
| 135 | L 435 | | -69 | | | | | | | | | | | | | |
| Color | 135 | 035 | 020 | 075 | 040 | 110 | 000 | 115 | 000 | 000 | -1 | 120 | 15C | 140 | 120 | 135 |
| Carlo | 150 | 095 | 020 | 115 | -1 | -1 | -1 | 040 | 050 | 065 | 105 | -1 | OCC | 240 | 25C | 170 |
| 100 | 080 | 315 | 105 | 025 | | 070 | 015 | 055 | 035 | | | | | | | |
| 030 070 030 120 060 135 150 095 025 080 120 -1 05C 135 21C 150 090 375 145 055 155 085 -1 -1 -1 -1 -1 | L 451 | 1968 | -69 | | | | | | | | | | | | | |
| 1968 | 100 | 035 | 030 | 045 | 000 | 120 | 000 | 120 | - 1 | -1 | 000 | 150 | 11C | 100 | 115 | CCO |
| L 458 | 030 | 070 | 030 | 120 | 060 | 135 | 150 | 095 | 025 | 080 | 120 | -1 | 05C | 135 | 21C | 150 |
| 075 | 090 | 375 | 145 | 055 | 155 | 085 | - 1 | -1 | - 1 | | | | | | | |
| 130 | L 458 | 1968 | -69 | | | | | | | | | | | | | |
| 080 320 000 015 020 035 -1 045 030 466 1968-69 095 045 030 040 000 075 015 170 015 015 000 150 190 160 120 000 135 070 030 090 145 165 160 105 045 085 100 -1 000 210 205 130 170 070 155 080 045 075 020 1494-69 100 050 000 000 000 075 000 170 000 000 000 000 120 075 100 070 080 045 140 140 170 090 045 090 090 090 000 000 195 210 180 100 070 080 045 140 140 170 090 045 090 090 090 000 000 195 210 180 100 075 070 085 045 105 165 030 000 075 080 000 000 1017 1968-69 070 125 075 015 065 030 1107 1968-69 070 085 045 105 165 030 000 075 080 000 000 11074 1968-69 070 135 100 040 095 040 11107 1968-69 070 035 095 130 130 150 110 040 080 070 000 060 230 220 160 11107 1968-69 070 035 095 130 130 150 110 040 080 070 000 060 230 220 160 11107 1968-69 070 035 095 130 130 155 100 040 080 070 000 060 230 220 160 11107 1968-69 070 07 | 075 | 630 | 025 | 030 | 030 | 095 | 000 | 125 | 000 | 000 | 060 | 135 | 165 | 090 | 150 | 135 |
| L 466 | 130 | 095 | 020 | 110 | 060 | 060 | 180 | 080 | 070 | 075 | 090 | 045 | -1 | -1 | 000 | 150 |
| 095 045 030 040 000 075 015 170 015 015 000 150 190 160 120 000 135 070 030 090 145 165 160 105 045 085 100 -1 00C 210 210 205 100 310 170 070 155 080 045 075 020 000 000 000 000 000 000 000 000 000 000 000 000 000 000 000 000 170 000 000 000 000 110 190 110 190 120 120 110 190 110 190 000 000 000 000 000 000 000 000 000 000 000 000 000 110 000 110 000 000 000 000 000 000 110 | 080 | 320 | 000 | 015 | 020 | 035 | -1 | 045 | 030 | | | | | | | |
| 135 | | | | | | | | | | | | | | | | |
| C90 310 170 070 155 080 045 075 020 L694 1968-69 100 050 000 000 000 000 075 000 170 000 000 000 150 11C 120 12C CCC 120 070 080 045 140 140 170 090 045 090 090 000 00C 195 210 180 100 345 150 070 125 075 015 065 030 L1017 1968-69 095 060 000 000 -1 -1 -1 -1 -1 -1 000 115 0CC 120 030 000 000 055 015 085 045 105 165 030 000 075 080 000 0CC 0CC 0CC 18C 115 060 300 105 080 105 100 000 090 060 L1074 1968-69 -1 -1 -1 -1 -1 -1 -1 -1 -1 050 060 000 140 16C 090 11C 130 155 070 035 095 130 130 150 110 040 080 070 000 06C 230 220 160 080 310 145 070 135 100 040 095 040 L1107 1968-69 010 050 030 000 000 120 000 155 000 000 070 000 06C 225 190 165 080 330 165 050 130 125 045 050 030 L108 1968-69 -1 -1 -1 -1 -1 -1 -1 -1 000 130 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 000 040 030 120 070 105 120 090 080 045 L1108 1968-69 -1 -1 -1 -1 -1 -1 -1 -1 -1 000 130 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 000 040 030 120 070 105 120 090 080 060 L1181 1968-69 080 055 015 040 -1 -1 -1 -1 000 000 000 130 195 060 110 015 080 055 015 040 -1 -1 -1 -1 000 000 000 150 150 160 150 150 150 080 055 015 040 -1 -1 -1 -1 000 000 000 150 150 160 155 160 080 055 015 040 -1 -1 -1 -1 000 000 000 150 150 150 160 150 080 020 085 135 090 130 090 050 090 105 -1 -1 195 175 190 090 320 145 020 160 090 020 050 035 | | | | | | | | | | | 000 | 150 | | 160 | 120 | 000 |
| L 694 | | | | | | | | | | 085 | 100 | -1 | OCC | 210 | 210 | 205 |
| 100 | | | | 070 | 155 | 080 | 045 | 075 | 020 | | | | | | | |
| 120 | | | _ | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | |
| L1017 1968-69 095 060 000 000 -1 -1 -1 -1 -1 -1 -1 000 115 0CC 120 030 000 000 055 015 085 045 105 165 030 000 075 080 000 0CC 0CC 180 115 060 300 105 080 105 100 000 090 060 L1074 1968-69 -1 -1 -1 -1 -1 -1 -1 -1 -1 050 060 000 140 16C 090 11C 130 155 070 035 095 130 130 150 110 040 080 070 000 06C 230 220 160 080 310 145 070 135 100 040 095 040 L1107 1968-69 010 050 030 000 000 120 000 155 000 000 000 150 150 150 120 000 120 085 030 075 150 105 165 095 035 090 070 000 040 225 190 165 080 330 165 050 130 125 045 050 030 L1108 1968-69 -1 -1 -1 -1 -1 -1 -1 -1 000 130 -1 -1 -1 -1 -1 -1 075 000 000 040 030 120 070 105 120 090 080 060 075 -1 -1 -1 -1 -1 -1 -1 -1 -1 095 040 120 085 030 080 045 L1181 1968-69 080 055 015 040 -1 -1 -1 -1 000 000 000 105 -1 -1 195 175 190 090 320 145 020 160 090 020 050 035 | | | | | | | | | | 090 | C90 | COO | occ | 195 | 210 | 180 |
| 095 060 000 000 -1 -1 -1 -1 -1 -1 -1 000 115 0CC 120 030 000 000 000 055 015 085 045 105 165 030 000 075 C80 C00 CCC CCC 18C 115 060 300 105 080 105 100 000 090 060 110 140 16C 090 11C 130 155 070 035 095 130 130 150 110 040 080 070 000 C6C 230 220 160 080 310 145 070 135 100 040 095 040 110 170 080 080 080 080 080 080 080 080 080 0 | | | | 0 70 | 125 | 075 | 015 | 065 | 030 | | | | | | | |
| 000 055 015 085 045 105 165 030 000 075 C80 C00 CCC CCC 18C 115 060 300 105 080 105 100 000 090 060 11074 1968-69 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 050 060 C00 140 16C C9C 11C 130 155 070 035 095 130 130 150 110 040 080 070 000 C6C 230 220 160 080 310 145 070 135 100 040 095 040 1107 1968-69 010 050 030 000 000 120 000 155 000 000 000 150 15C 120 120 000 120 085 030 165 050 130 125 045 050 030 030 165 050 130 125 045 050 030 030 165 050 130 125 045 050 030 110 145 050 120 120 000 030 120 050 030 120 050 050 050 050 050 050 050 050 050 0 | | | | | _ | _ | _ | _ | _ | _ | | | | | | |
| 060 300 105 080 105 100 000 090 060 L1074 1968-69 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 050 060 070 070 070 070 070 110 130 155 070 035 095 130 130 150 110 040 080 070 070 070 070 070 070 070 070 07 | | | | | | | | | | | | | | | | |
| L1074 | | | | | | | | | | 075 | 080 | COO | CCC | cco | 18C | 115 |
| -1 | | | | 080 | 105 | 100 | 000 | 090 | 060 | | | | | | | |
| 155 070 035 095 130 130 150 110 040 080 070 000 C6C 230 220 160 080 310 145 070 135 100 040 095 040 | | | | | | | | | 050 | 0.40 | | | | | | |
| 080 310 145 070 135 100 040 095 040 L1107 1968-69 010 050 030 000 000 120 000 155 000 000 150 150 150 120 120 000 120 085 030 075 150 105 165 095 035 090 070 000 040 225 190 165 080 330 165 050 130 125 045 050 030 L1108 1968-69 -1 -1 -1 -1 -1 -1 -1 -1 000 130 -1 -1 -1 -1 -1 -1 075 000 000 040 030 120 070 105 120 090 080 060 075 -1 -1 -1 -1 -1 -1 -1 -1 -1 095 040 120 085 030 080 045 L1181 1968-69 080 055 015 040 -1 -1 -1 -1 -1 000 000 000 130 195 060 110 015 150 080 020 085 135 090 130 090 050 090 105 -1 -1 195 175 190 090 320 145 020 160 090 020 050 035 | _ | _ | - | | | | | | | | | | | | | |
| L1107 | | | | | | | | | | 080 | 070 | 000 | 060 | 230 | 220 | 160 |
| 010 050 030 000 000 120 000 155 000 000 150 150 150 120 000 120 000 120 085 030 075 150 105 165 095 035 090 070 000 040 225 190 165 080 030 165 050 130 125 045 050 030 USB | | | | 070 | 133 | 100 | 040 | 095 | 040 | | | | | | | |
| 120 085 030 075 150 105 165 095 035 090 070 000 C4C 225 190 165 080 330 165 050 130 125 045 050 030 L1108 1968-69 -1 -1 -1 -1 -1 -1 -1 -1 000 130 -1 -1 -1 -1 -1 -1 075 000 000 040 030 120 070 105 120 090 080 060 075 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 1 -1 | | | | 000 | 200 | 120 | 000 | 166 | 000 | 000 | 000 | 150 | 150 | 120 | 120 | 000 |
| 080 | | | | | | | | | | | | | | | | |
| L1108 | | | | | | | | | | 090 | 070 | CUU | 646 | 225 | 190 | 100 |
| -1 -1 -1 -1 -1 -1 -1 000 130 -1 -1 -1 -1 -1 075 000 000 040 030 120 070 105 120 090 080 060 075 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 | | | | 050 | 150 | 125 | 045 | 050 | 030 | | | | | | | |
| 000 040 030 120 070 105 120 090 080 060 075 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 095 040 120 085 030 080 045 L1181 1968-69 080 055 015 040 -1 -1 -1 -1 000 000 000 130 195 060 110 015 150 080 020 085 135 090 130 090 050 090 105 -1 -1 195 175 190 090 320 145 020 160 090 020 050 035 | | | | -1 | -1 | -1 | 000 | 130 | _1 | _ 1 | _1 | _ 1 | _ 1 | _1 | 075 | 000 |
| -1 -1 095 040 120 085 030 080 045 L1181 1968-69 080 055 015 040 -1 -1 -1 -1 000 000 000 130 195 060 110 015 150 080 020 085 135 090 130 090 050 090 105 -1 -1 195 175 190 090 320 145 020 160 090 020 050 035 | | | _ | | | | | | | | | | | | | |
| L1181 1968-69 080 055 015 040 -1 -1 -1 -1 000 000 000 130 195 060 110 015 150 080 020 085 135 090 130 090 050 090 105 -1 -1 195 175 190 090 320 145 020 160 090 020 050 035 | | | | | | | | | | 000 | 017 | - 1 | . 1 | - 1 | • 1 | - 1 |
| 080 055 015 040 -1 -1 -1 -1 000 000 000 130 195 060 110 015 150 080 020 085 135 090 130 090 050 090 105 -1 -1 195 175 190 090 320 145 020 160 090 020 050 035 | | - | | 0 10 | . 20 | | J | 000 | U 7 J | | | | | | | |
| 150 080 020 085 135 090 130 090 050 090 105 -1 -1 195 175 190 090 320 145 020 160 090 020 050 035 | | | | 040 | -1 | -1 | -1 | - 1 | 000 | 000 | 000 | 130 | 195 | 060 | 110 | 015 |
| 090 320 145 020 160 090 020 050 035 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | ٠,٠ | | • | • | • / / | - 1 - 2 | 1,0 |
| | M 100 | | | | | | | | | | | | | | | |

| м | 101 | 1968-69 | | | | | | | | | | | | | |
|---|-----|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 105 | 50 45 | 75 | 65 | 155 | 95 | 165 | 90 | 120 | 140 | 155 | 95 | 75 | 105 | 160 |
| | 100 | 80 35 | 180 | 90 | 70 | 75 | 60 | 135 | 90 | 100 | 135 | 65 | 230 | 105 | 155 |
| | 105 | 150 175 | 30 | 165 | 105 | 0 | 165 | 90 | | | | | | | |
| м | 102 | 1968-69 | | | | | | | | | | | | | |
| | | _ | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| М | 103 | 1968-69 | | | | | | _ | | | | | | | |
| | 90 | 50 35 | 90 | 80 | 75 | 90 | 150 | 70 | 45 | 135 | 165 | 90 | 70 | 105 | 95 |
| | 80 | 110 35 | 150 | 140 | 120 | 120 | 0 | 50 | 140 | 120 | 50 | 65 | 280 | 195 | 150 |
| | 100 | 165 160 | 45 | 165 | 120 | 0 | 160 | 95 | | | | | | | |
| M | 104 | 1968-69 | | | | | | | | | | | | | |
| | 85 | 50 30 | 95 | 90 | 95 | 75 | 180 | 65 | 40 | 125 | 150 | 105 | 8 C | 10C | 75 |
| | 80 | 1 1 | 1 | 1 | 1 | 1 | 0 | 35 | 75 | 105 | 65 | 5 C | 240 | 150 | 165 |
| | 85 | 150 135 | 45 | 165 | 125 | 30 | 140 | 95 | | | | | | | |
| М | 124 | 1968-69 | | | | | | | | | | | | | |
| | 090 | 050 055 | 065 | -1 | -1 | 000 | 195 | 000 | 000 | 000 | 180 | 120 | 120 | 090 | 000 |
| | 150 | 120 025 | 120 | 120 | 140 | 165 | 120 | 060 | 105 | 060 | 055 | OCC | C50 | 255 | 105 |
| | 075 | 345 180 | 055 | 180 | 090 | 075 | 090 | 045 | | | | | | | |
| М | 225 | 1968-69 | | | | | | | | | | | | | |
| | -1 | -1 -1 | -1 | 070 | 100 | 000 | 150 | 075 | 015 | 140 | 195 | 125 | 060 | 100 | 160 |
| | 185 | 060 025 | 110 | 060 | 170 | 080 | 065 | 035 | 090 | 085 | 100 | 070 | 200 | 190 | 150 |
| | 055 | 310 000 | 000 | 110 | 050 | 090 | 070 | 055 | | | | | | | |
| • | 226 | 1968-69 | | | | | | • | | | | | | | |
| | 090 | 050 030 | 060 | 000 | 135 | -1 | 150 | 000 | 000 | 095 | 195 | 15C | 120 | -1 | -1 |
| | -1 | -1 030 | 075 | 050 | 090 | 045 | 090 | 040 | 105 | 090 | 075 | 05C | 210 | 175 | 120 |
| | 075 | 275 000 | 035 | 130 | 075 | 055 | 150 | 035 | | | | | | | |
| M | 228 | 1968-69 | | | | | | | | | | | | | |
| | 110 | 060 035 | 040 | 000 | 110 | 000 | 150 | 010 | 015 | 135 | 190 | 140 | 060 | 100 | 140 |
| | 170 | 060 025 | 105 | 085 | 150 | 105 | 070 | 035 | 100 | 100 | 100 | 060 | 230 | 185 | 160 |
| | 040 | 310 030 | 025 | 115 | 070 | 070 | 085 | 050 | | | | | | | |
| M | 230 | 1968-69 | | | | | | | | | | | | | |
| | 120 | 050 050 | 075 | 000 | 130 | 000 | 180 | 015 | 050 | 120 | 180 | 18C | C60 | 12C | 125 |
| | 190 | 120 045 | 120 | 090 | 180 | 080 | 075 | 040 | 095 | 090 | 120 | 065 | 240 | 180 | 135 |
| | 070 | 330 125 | 060 | 130 | 110 | 070 | 120 | 065 | | | | | | | |
| N | A | 1968-69 | | | | | | | | | | | | | |
| | 090 | 050 -1 | -1 | 040 | 075 | 060 | 135 | 065 | 035 | 080 | 180 | 120 | 105 | 100 | 125 |
| | 175 | 090 040 | 120 | 070 | 140 | 120 | 060 | 060 | 100 | 100 | -1 | C65 | 21C | 195 | -1 |
| | 090 | 220 -1 | 020 | 195 | 105 | 065 | 165 | 040 | | | | | | | |
| Ν | В | 1968-69 | | | | | _ | | | | | | | | |
| | 090 | -1 -1 | 025 | 000 | 125 | 000 | 105 | 000 | 015 | 080 | 165 | 180 | 115 | 115 | 175 |
| | 180 | 070 030 | 120 | 075 | 175 | 025 | 070 | 050 | 090 | 090 | 090 | 04C | 210 | 165 | 150 |
| | 045 | 280 000 | 020 | 150 | 035 | 075 | 085 | 050 | | | | | | | |
| N | 1 | 1968-69 | | | | | | | | | | | | | |
| | 095 | 045 030 | 055 | 030 | 085 | 060 | 120 | 080 | 030 | 045 | 150 | 09C | 035 | 060 | 120 |
| | 150 | 050 020 | 125 | 125 | 080 | 075 | 000 | 015 | 045 | 035 | 135 | 030 | 210 | 125 | 125 |
| | 045 | 145 135 | 040 | 090 | 090 | 070 | 170 | 030 | | | | | | | |
| Ŋ | 2 | 1968-69 | | | | | | | | | | | | | |

| | 105 | 060 | 020 | 040 | 050 | 075 | 075 | 090 | 070 | 015 | 100 | 180 | 100 | 075 | 105 | 100 |
|----|-----------|-------------|-----|------|-----|-----|-------|------------|-----|-----|------------|-----------|------|------------|-----|-----|
| | 175 | 075 | 025 | 120 | 115 | 090 | 145 | 050 | 015 | -1 | - 1 | 135 | - 1 | -1 | 200 | 120 |
| | 050 | 200 | 120 | 035 | 145 | 065 | 055 | 180 | 050 | | | | | | | |
| V | 3 | 1968 | -69 | | | | | | | | | | | | | |
| | 105 | 050 | 030 | 075 | 060 | 075 | 055 | 130 | 060 | 015 | 085 | 190 | 105 | 065 | 140 | 120 |
| | 145 | 040 | 030 | 105 | 130 | 150 | 120 | 030 | 025 | 055 | 070 | 110 | 075 | 190 | 195 | 110 |
| | 060 | 215 | 135 | 050 | 130 | 055 | 085 | 145 | 060 | | | | | | | |
| Ν | 4 | 1968 | -69 | | | | | | | | | | | | | |
| | 115 | 060 | 025 | 060 | 040 | 090 | 060 | 135 | 075 | 045 | 060 | 155 | 13C | 130 | 100 | 150 |
| | 180 | 075 | 035 | 100 | 135 | 125 | 090 | 080 | 015 | 060 | 050 | 075 | 075 | 215 | 195 | 15C |
| | 055 | 195 | 130 | 030 | 105 | 135 | 090 | 140 | 070 | | | | | | | |
| V | 5 | 1968 | -69 | | | | | | | | | | | | | |
| | 110 | 060 | 020 | 035 | 045 | 075 | 090 | 105 | 025 | 055 | 085 | 170 | 120 | 095 | 110 | 145 |
| | 170 | C80 | 030 | 085 | 106 | 180 | 090 | 0.90 | 010 | 060 | 060 | 090 | 065 | 22C | 195 | 150 |
| | 065 | 210 | 135 | 045 | 120 | 070 | 055 | - 1 | -1 | | | | | | | |
| N | 6 | 1968 | -69 | | | | | | | | | | | | | |
| | -1 | -1 | -1 | -1 | 090 | -1 | -1 | 060 | 035 | 070 | 065 | -1 | -1 | - i | -1 | 165 |
| | 075 | 200 | 120 | 055 | 120 | 075 | 045 | 120 | 060 | | | | | | | |
| | 115 | 060 | 015 | 050 | C70 | 125 | 090 | 150 | 015 | 015 | 075 | 160 | 120 | 170 | -1 | -1 |
| Ŋ | 7 | 1968 | -69 | | | | | | | | | | | | | |
| | 105 | 065 | 015 | 040 | -1 | -1 | -1 | - 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 090 | 015 | 045 | 050 | C75 | C65 | 21C | 175 | 165 |
| | 075 | 230 | 150 | 050 | 105 | 070 | 075 | 140 | 055 | | | | | | | |
| Ν | 84 | 1968 | -69 | | | | | | | | | | | | | |
| | 120 | 065 | 040 | 030 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 115 | 120 |
| | 060 | 075 | 035 | 130 | 080 | 165 | 130 | 090 | 030 | 095 | 095 | 105 | 015 | 135 | 145 | 130 |
| | 015 | 250 | 110 | 040 | 095 | 120 | 015 | 155 | 065 | | | | | | | |
| N | 9Α | 1968 | _ | | | | | | | | | | | | | |
| | 115 | 045 | 020 | 035 | 045 | 125 | 030 | 145 | 000 | 055 | 060 | 190 | 14C | 145 | 09C | 120 |
| | 175 | 085 | 040 | 110 | 095 | 135 | 120 | 075 | 005 | 065 | 070 | 060 | 035 | 190 | 195 | 145 |
| | 080 | 220 | 145 | 040 | 110 | 035 | 045 | 145 | 055 | | | | | | | |
| N | 10 | 1968 | | | | | | | | | | | | | | |
| | 110 | 060 | 020 | 065 | 040 | 130 | 065 | 195 | 015 | 060 | - 1 | -1 | - 1 | -1 | - 1 | -1 |
| | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 095 | 010 | 080 | 075 | -1 | CCC | 185 | - 1 | -1 |
| | -1 | -1 | -1 | -1 | -1 | -1 | 085 | 130 | 055 | | | | | | | |
| N | 11 | 1968 | | 05.5 | | | | | | | | | | | | |
| | 095 | 065 | 015 | 055 | 020 | 130 | 115 | 210 | 015 | 065 | 120 | 145 | 135 | C15 | 12C | 130 |
| | 170 | 080 | 030 | 140 | 080 | 160 | 130 | 095 | 010 | 085 | 060 | 075 | 015 | 210 | 185 | 185 |
| | 085 | 215 | 140 | 040 | 125 | 080 | 075 | 125 | 060 | | | | | | | |
| ιĄ | 124 | 1968 | | | 000 | 016 | 040 | 140 | 011 | 055 | 170 | 105 | . 76 | 040 | | |
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| | 120 | 070 | 030 | 125 | 090 | 190 | 120 | 075 | 030 | 080 | 075 | 075 | C3C | 14C | 195 | 205 |
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| • | 115 | 055 | 025 | 045 | 045 | 120 | 045 | 185 | 020 | 010 | -1 | -1 | -1 | -1 | 10C | 120 |
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| | 060 | 245 | 120 | 045 | 110 | 065 | 065 | 110 | 045 | 000 | 013 | 090 | 030 | 240 | 170 | 130 |
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|---|-----|------------|-----|--------|-----|-----|-----|-----|-----|-----|-------|-------|------|------|-----|-----|
| S | 208 | 1968 | -69 | | | | | | | | | | | | | |
| | 095 | 055 | 035 | 035 | 000 | 090 | 000 | 135 | 000 | 015 | 120 | 195 | 125 | COO | 120 | 135 |
| | 150 | 065 | 030 | 105 | C90 | 150 | 080 | 060 | 050 | 075 | C8C | 045 | 06 C | 22C | 195 | 155 |
| | 040 | 315 | 015 | 055 | 130 | 030 | 030 | 075 | 045 | | | | | | | |
| S | 209 | 1968 | -69 | | | | | | | | | | | | | |
| - | 090 | 055 | 035 | 025 | 000 | 095 | 000 | 150 | 000 | 030 | 110 | 180 | 12C | CCO | 110 | 135 |
| | 135 | 060 | 025 | 105 | 090 | 185 | 120 | 060 | 015 | 075 | 060 | 030 | 045 | 210 | 180 | 140 |
| | C55 | 300 | 060 | 025 | 135 | 030 | 000 | 070 | 030 | 0,7 | 000 | 0.70 | 043 | 210 | 100 | 140 |
| | 210 | 1968 | | 023 | 137 | 030 | 000 | 010 | 030 | | | | | | | |
| 3 | -1 | | | () / E | 000 | 0/0 | 000 | 170 | 000 | 000 | 000 | | | 0.40 | | |
| | | 055 | 020 | 045 | 000 | 060 | 000 | 170 | 000 | 000 | CBC | 175 | 14C | CEC | 12C | 165 |
| | 160 | 070 | 025 | 185 | 080 | 155 | 050 | 060 | 030 | 070 | 075 | 000 | 04C | 210 | 090 | 085 |
| | 035 | 305 | 070 | 030 | 115 | 060 | 000 | 080 | 045 | | | | | | | |
| 5 | 211 | 1968 | | | | | | | | | | | | | | |
| | 080 | 055 | 030 | 060 | 000 | 130 | 000 | 135 | 015 | 030 | 080 | 170 | 130 | C60 | 120 | 145 |
| | 190 | 060 | 025 | 120 | 090 | 180 | 045 | 055 | 040 | 070 | C95 | 095 | C6C | 195 | 165 | 135 |
| | 050 | 275 | 000 | 020 | 125 | 060 | 060 | 080 | 065 | | | | | | | |
| S | 212 | 1968 | -69 | | | | | | | | | | | | | |
| | 105 | 065 | 040 | 075 | 060 | 115 | 040 | 180 | 000 | 035 | 090 | 180 | 17C | 090 | 120 | 135 |
| | 190 | 090 | 035 | 110 | 09C | 180 | 100 | 095 | 050 | 100 | 090 | 090 | 075 | 200 | 18C | 105 |
| | 075 | 300 | 090 | 050 | 160 | 080 | 080 | 135 | 070 | | • , , | • • • | 0.5 | | -00 | |
| ς | 215 | 1968 | - | 020 | | ••• | ••• | | 0.0 | | | | | | | |
| • | 120 | 060 | 020 | 035 | 060 | 090 | 060 | 115 | 090 | 010 | C70 | 180 | 12C | 065 | 070 | 120 |
| | 175 | C40 | 020 | 065 | 135 | 180 | 135 | 040 | 000 | 030 | 030 | -1 | -1 | -1 | -1 | -1 |
| | -1 | -1 | -1 | | | | | | | 030 | 636 | -1 | - 1 | -1 | -1 | -1 |
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| 3 | 217 | 1968 | | | | | | | | | | | | | | |
| | 105 | 045 | 025 | 030 | 070 | 060 | 080 | 130 | 085 | 025 | C90 | 180 | 090 | 095 | 100 | 150 |
| | 135 | 045 | 020 | 080 | 145 | 180 | 000 | 075 | 000 | 055 | 060 | 135 | 060 | 205 | 210 | 105 |
| | 065 | 205 | 135 | 045 | 150 | 060 | 070 | 170 | 060 | | | | | | | |
| S | 221 | 1968 | | | | | | | | | | | | | | |
| | 120 | 060 | 060 | 000 | 000 | 000 | 000 | 210 | 000 | 000 | C70 | 150 | 12C | C6C | 12C | 150 |
| | 110 | 080 | 050 | 110 | 075 | 105 | 135 | 000 | 060 | 000 | 090 | C90 | OCC | 000 | 160 | 100 |
| | 000 | 280 | 110 | 060 | 130 | 090 | -1 | -1 | - 1 | | | | | | | |
| S | 231 | 1968 | -69 | | | | | | | | | | | | | |
| | 115 | 065 | 025 | 085 | 000 | 110 | 040 | 150 | 070 | 030 | 090 | 165 | 14C | 045 | -1 | -1 |
| | -1 | -1 | -1 | -1 | 095 | 170 | 080 | 080 | 040 | 105 | 105 | 070 | 085 | 195 | 225 | 180 |
| | 060 | 320 | 105 | 060 | 120 | 065 | 000 | 090 | 055 | | | | | | | |
| S | 232 | 1968 | | | | | | | | | | | | | | |
| _ | 120 | 060 | 030 | 075 | 045 | 115 | 000 | 165 | 055 | 060 | C85 | 190 | 15C | cco | 105 | 120 |
| | 170 | 090 | 040 | 115 | 090 | 170 | 105 | 050 | 040 | 080 | 080 | 030 | 090 | 180 | 180 | 170 |
| | 065 | 330 | 125 | 035 | 140 | 080 | 060 | -1 | -1 | 000 | 000 | 0 0 0 | 0,70 | 160 | 100 | 110 |
| c | 233 | 1968 | | 055 | 140 | 000 | 000 | - 1 | - 1 | | | | | | | |
| | | | 040 | 000 | 000 | 120 | 040 | 125 | 000 | 070 | 070 | 100 | 120 | | | |
| | 110 | 060 | | 080 | 080 | 120 | 060 | 135 | 090 | 070 | 070 | 180 | 130 | 120 | 120 | 150 |
| | 175 | 070 | 050 | 080 | 145 | 120 | 085 | 090 | 015 | 060 | 060 | 100 | C70 | 205 | 180 | 150 |
| _ | 080 | 220 | 150 | 030 | 110 | 105 | 120 | 120 | 065 | | | | | | | |
| 2 | 234 | 1968 | | | | | | | | | | | | | | |
| | 095 | 055 | 025 | 035 | 000 | 100 | 000 | 140 | 000 | 000 | 100 | 170 | 110 | 015 | 115 | 170 |
| | 150 | 070 | 020 | 130 | 070 | 190 | 035 | 060 | 050 | 075 | 090 | 075 | 05C | 225 | 130 | 155 |
| | 040 | 315 | 000 | 000 | C90 | 075 | 050 | 075 | 050 | | | | | | | |
| S | 235 | 1968 | -69 | | | | | | | | | | | | | |
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|---|-------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------|------------|------------|------------|------------|------------|------------|
| ٧ | 166 060 150 | 1968 050 075 | 045 050 | 075 120 | 015 090 | 050 150 | 000 125 | 185 060 | Ű60 085 | 110 090 | 095 090 | 180 060 | 155 C7C | 000 210 | 10C 18C | 110 170 |
| ٧ | 045 167 085 | 325 1968 050 | 105 -69 015 | 040 045 | 000 | 065 060 | 000 | 060 150 | 050 070 | 080 | 110 | 165 | 170 | 000 | 105 | 105 |
| v | 105 080 168 | 090 305 1968 | 040 060 -69 | 090 065 | 055 150 | 115 095 | 120 060 | 030 070 | 040 025 | 080 | 045 | 000 | C25 | 195 | 075 | 135 |
| | 085 225 075 | 050 090 310 | 025 030 075 | 045 105 065 | 030 135 150 | 110 085 100 | 000 120 035 | 145 065 065 | 050 060 030 | 065 070 | 105 055 | 130 000 | 205 030 | 210 210 | 075 090 | 075 125 |
| ٧ | 169 | | | • | | | • 7 7 | ••• | 435 | | | | | | | |
| ٧ | 170 -1 | 1968 -1 | -69 -1 | -1 | -1 | -1 | 000 | 125 | -1 | -1 | cco | 170 | 14C | 115 | 125 | cco |
| v | 165 105 171 | 105 330 1968 | 025 115 -69 | 100 085 | C80 165 | 140 120 | 135 | 105 | 035 | 075 | 075 | COO | occ | 195 | -1 | 155 |
| · | 070 165 090 | 050 100 325 | 050 020 135 | 035 120 065 | 000 075 180 | 105 135 090 | 000 145 000 | 125 100 060 | 070 040 050 | 055 070 | 090 090 | 170 060 | 165 CCC | C70 18C | 125 135 | 065 180 |
| ٧ | 172 070 165 | 1968 045 085 | | J75 120 | -1 110 | -1 130 | 000 | 130 090 | 070 060 | 055 085 | 060 105 | 170 -1 | 15C -1 | 080 -1 | 12C -1 | 110 -1 |
| v | -1 173 090 | -1 1968 050 | -1 | -1 040 | -1 . cco | -1 120 | 000 | 100 | 060 | 065 | 105 | 150 | 175 | 045 | 135 | 105 |
| v | 150 095 174 | 085 335 1968 | 040 155 | 120 | 085 160 | 105 075 | 150 000 | 075 065 | 070 065 | 080 | C85 | 000 | 015 | 185 | 120 | 180 |
| • | 090 180 065 | 060 110 300 | 035 040 120 | 040 100 060 | 000 120 180 | 090 180 090 | 000 140 000 | 190 060 080 | -1 060 060 | -1 075 | -1 105 | -1 045 | -1 c3c | -1 120 | 075 165 | 120 165 |
| ٧ | 175 -1 145 | 1968 -1 110 | | -1 115 | -1 065 | -1 090 | -1 115 | -1 090 | 070 060 | 070 075 | 105 070 | 165 000 | 16C 04C | CC0 195 | 120 135 | 120 145 |
| v | 065 188 | 335 | 070 | 075 | 120 | 095 | 025 | -1 | -1 | 073 | 070 | 000 | 040 | 140 | 133 | 143 |

V 189

| ٧ | 190 | 1968 | | | | | | | | | | | | | | |
|---|-----|------|-----|-----|-----|------------|-----|------------|-------|-----|-----|-----|------|-----|-------|-----|
| | 060 | 045 | 025 | 045 | 000 | 120 | 000 | 130 | 000 | 045 | C60 | 160 | 17C | C15 | 090 | 075 |
| | 120 | 090 | 020 | 120 | 055 | 105 | 135 | 065 | 045 | 080 | 050 | 000 | CCC | 200 | 090 | 140 |
| | 060 | 310 | 075 | 065 | 165 | 100 | 000 | 055 | 040 | | | | | | | |
| ٧ | 191 | 1968 | -69 | | | | | | | | | | | | | |
| | 075 | 040 | 055 | 060 | 000 | 110 | 000 | 140 | 000 | 045 | 075 | 165 | 165 | 075 | 110 | 050 |
| | 180 | 090 | 015 | 115 | 085 | 150 | 130 | 080 | 055 | 090 | 100 | 075 | C15 | 180 | 120 | 175 |
| | 075 | 345 | 135 | 070 | 150 | 085 | 000 | 060 | 050 | | | | | | | |
| V | 192 | 1968 | -69 | | | _ | | | | | | | | | | |
| · | -1 | -1 | -1 | -1 | -1 | - 1 | 000 | 130 | 000 | 000 | 075 | 130 | 180 | CCO | 095 | CCO |
| | 090 | 105 | 030 | 040 | 120 | 135 | 140 | 075 | 045 | 090 | 075 | 000 | occ | 190 | 120 | 170 |
| | 090 | 305 | 150 | 075 | 155 | 090 | 000 | 055 | 035 | 0,0 | 0,7 | 000 | 000 | 170 | 120 | 1.0 |
| v | 193 | 202 | 100 | 013 | 177 | 0 70 | 000 | 0)) | 055 | | | | | | | |
| ٧ | 060 | 030 | 075 | 040 | 000 | 105 | 000 | 125 | 000 | 000 | 000 | 125 | 150 | 000 | 040 | 000 |
| | | | | | | 105 | 000 | 125 | 000 | 000 | OCC | 135 | 15C | cco | C&C | CCC |
| | 150 | 090 | 015 | 115 | 135 | 135 | 165 | 060 | 060 | 085 | C70 | 055 | -1 | -1 | 120 | 165 |
| | 105 | 310 | 120 | 045 | 140 | 105 | 000 | -1 | -1 | | | | | | | |
| ٧ | 194 | 1968 | | | | | | | | | | | | | | |
| | 090 | 060 | 030 | 090 | 045 | 120 | 000 | 150 | 000 | 000 | 075 | 150 | 180 | 015 | 105 | 060 |
| | 060 | 105 | 020 | 150 | 070 | 095 | 145 | 075 | 000 | 075 | C65 | COO | CCC | 15C | 135 | 150 |
| | C70 | 330 | 120 | 060 | 075 | 090 | 000 | 075 | 050 | | | | | | | |
| ٧ | 196 | 1968 | -69 | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | |
| ٧ | 198 | 1968 | -69 | | | | | | | | | | | | | |
| | -1 | -1 | -1 | -1 | -1 | -1 | -1 | - 1 | - 1 | - 1 | 100 | 165 | 15C | 015 | 100 | 120 |
| | 165 | 090 | 025 | 105 | -1 | -1 | -1 | 080 | 075 | 080 | 095 | 050 | C4C | 21C | 115 | 165 |
| | 070 | 330 | 110 | 045 | -1 | -1 | 000 | 080 | 040 | | | | | | | |
| ٧ | 206 | 1968 | | | • | _ | | | | | | | | | | |
| • | C80 | 060 | 015 | 035 | 000 | 120 | 000 | 140 | 000 | 045 | 060 | 150 | 165 | 045 | 120 | 060 |
| | 150 | 095 | 020 | 110 | 110 | 140 | 145 | 085 | 045 | 080 | 105 | 000 | 050 | 195 | 135 | 195 |
| | 085 | 320 | 075 | 070 | 190 | 090 | 000 | 075 | 055 | 000 | .00 | 000 | 0,0 | .,, | 1,7,7 | .,, |
| v | 207 | 1968 | | 0.0 | 1,0 | 0,0 | 000 | 017 | 0,7,7 | | | | | | | |
| • | 090 | 060 | 040 | 040 | 025 | 080 | 000 | 150 | 050 | 095 | 075 | 185 | 155 | ccc | 110 | 115 |
| | 175 | 090 | 030 | 125 | -1 | -1 | -1 | 075 | 020 | 085 | 080 | -1 | -1 | -1 | -1 | -1 |
| | -1 | -1 | -1 | -1 | -1 | -1 | 020 | 080 | 065 | 007 | 000 | - 1 | - 1 | -1 | -1 | - 1 |
| v | 209 | 1968 | | -1 | -1 | -1 | 020 | 080 | 000 | | | | | | | |
| ٧ | 050 | 050 | 035 | 025 | 000 | 100 | 000 | 150 | 030 | 015 | 070 | 090 | 100 | 000 | 070 | 126 |
| | 135 | 080 | 030 | 100 | | | 135 | | | 040 | | | 180 | 000 | | 135 |
| | | | | | CBO | 180 | | 100 | 000 | 040 | C60 | COO | oc c | 220 | OOC | 240 |
| | 000 | 170 | 120 | 050 | 130 | 080 | -1 | 085 | 040 | | | | | | | |
| ٧ | 221 | 1968 | | | 200 | 005 | | | | | | | | | | |
| | 085 | 045 | 015 | 020 | 000 | 085 | 000 | 150 | 000 | 060 | 105 | 165 | 125 | CCO | 090 | C70 |
| | 090 | 080 | 035 | 090 | 060 | 130 | 100 | 065 | 050 | 090 | 095 | -1 | 03C | 195 | 195 | 135 |
| | 065 | 315 | 000 | 000 | 135 | 080 | 030 | 065 | 045 | | | | | | | |
| ٧ | 224 | 1968 | | | | | | | | | | | | | | |
| | 085 | 045 | 035 | 060 | -1 | -1 | 000 | 135 | 060 | 050 | - 1 | -1 | - 1 | - 1 | 090 | -1 |
| | -1 | -1 | - 1 | -1 | 090 | 125 | 145 | 090 | 075 | 075 | C75 | 015 | 025 | 190 | 120 | 185 |
| | -1 | ~ 1 | -1 | -1 | -1 | -1 | 030 | 075 | 030 | | | | | | | |
| ٧ | 225 | 1968 | | | | | | | | | | | | | | |
| | 085 | 05C | 020 | 040 | 000 | 120 | 000 | 105 | 050 | 060 | 090 | 150 | 165 | C70 | 120 | 095 |
| | 150 | 095 | 030 | 110 | 090 | 120 | 145 | 075 | 035 | 080 | 085 | 000 | 000 | 195 | 180 | 175 |
| | | | | | | | | | | | | | | | | |

065 315 135 070 150 065 000 055 045 V 227 V 232 1968-69 105 -1 -1 -1 -1 000 000 090 135 175 100 110 - 1 -1 -1 -1 015 105 C70 105 160 080 065 100 065 COO C15 195 120 095 12C 155 290 120 095 050 165 100 020 050 030 BAND DURATION 1969-70 21 1969-70 -1 000 090 035 000 000 000 000 000 035 015 015 145 015 100 000 065 - 1 050 060 080 210 23 1969-70 -1 000 000 C50 000 095 090 000 000 015 100 -1 -1 -1 **-1** -1 -1 -1 -1 -1 015 -1 24 1969-70 -1 -1 000 000 060 015 000 000 045 000 040 -1 -1 -1 **-1** -1 -1 -1 -1 -1 1969-70 26 -1 000 000 055 000 000 095 055 000 020 100 015 100 015 080 -1 000 060 000 060 090 080 1969-70 27 000 040 000 000 -1 120 -1 -1 -1 000 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 1969-70 29 Λ -1 -1 000 000 C55 050 090 000 000 045 060 105 C15 C15 110 100 000 000 015 015 215 30 1969-70 -1 -1 000 000 065 050 090 000 035 025 C4C -1 -1 -1 -1 -1 -1 -1 -1 -1 140 -1 1969-70 31 Δ -1 -1 000 000 -1 -1 -1 - 1 -1 -1 -1 115 000 COO 000 040 000 000 135 080 1969-70 32 000 -1 -1 -1 000 -1 000 100 090 000 090 090 CCC -1 -1 -1 -1 -1 -1 -1 -1 180 33 1969-70 050 000 000 075 090 015 000 000 000 015 080 OCC 085 -1 000 -1 000 040 000 000 C30 060 34 1969-70 -1 000 000 000 000 090 000 055 100 CCC -1 C15 040 C15 00C 125 -1 -1 095 -1 055 150 1969-70 35 -1 000 -1 - 1 -1 -1 -1 -1 -1 -1 -1 080 CCC 150 085 100 020 055 000 000 C30 -1 1969-70 36 -1 -1 000 000 -1 -1 -1 -1 -1 -1 -1 100 000 130 030 100

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| 060 | 075 | 060 | 000 | 075 | 240 | | | | | | | | | | |
|--------|------------|-----|-----|------------|-----------|-----|-----------|-----|-----|------------|-----|-----|-----|------------|-----|
| E4867 | 1969 | - | _ | | | | | | | | | | | | |
| 050 | 150 | -1 | -1 | 120 | 090 | 070 | 105 | 060 | 050 | 060 | 170 | - 1 | 130 | 110 | 120 |
| 000 | 060 | 000 | 000 | 040 | 255 | | | | | | | | | | |
| E5098 | 1969 | - | | | | | | | | | | _ | | | |
| 000 | 060 | 000 | 030 | 090 | 075 | 000 | 080 | 075 | 045 | 060 | 095 | 045 | 015 | 015 | 145 |
| 015 | U75 | 045 | 050 | 135 | 170 | | | | | | | | | | |
| £5151 | 1969 | | | | | | | | | | | | | | |
| 145 | 120 | 000 | 000 | -1 | -1 | 075 | 000 | 000 | 000 | 000 | 100 | 015 | 105 | 000 | 080 |
| 000 | 000 | 035 | 060 | 0.90 | 130 | | | | | | | | | | |
| ć5184 | 1969 | - | | | | | | | | | | | | | |
| 100 | 015 | 070 | 090 | 120 | 060 | -1 | -1 | - 1 | -1 | -1 | COO | C8C | 200 | 12C | CCO |
| 080 | 030 | 080 | 050 | 095 | 195 | | | | | | | | | | |
| E 5756 | 1969 | -70 | | | | | | | | | | | | | |
| 000 | -1 | 000 | 000 | -1 | -1 | 000 | -1 | - 1 | -1 | -1 | C75 | CCC | 075 | 080 | 120 |
| 000 | 060 | 000 | 000 | 045 | 330 | | | | | | | | | | |
| E6006 | 1969 | _ | | | | | | | | | | | | | |
| 040 | 105 | 060 | 030 | 095 | 100 | 000 | 070 | 050 | 040 | 060 | 115 | 040 | -1 | - 1 | 130 |
| 070 | 180 | 030 | 055 | 155 | 255 | | | | | | | | | | |
| E6624 | 1969 | -70 | | | | | | | | | | | | | |
| 000 | 105 | 000 | 000 | 000 | 105 | 000 | 000 | 000 | 000 | 000 | 100 | OCC | 120 | 090 | 070 |
| 000 | 105 | 000 | 090 | 100 | 140 | | | | | | | | | | |
| E6736 | 1969 | -70 | | | | | | | | | | | | | |
| -1 | -1 | 000 | 085 | 120 | 080 | 060 | 080 | 080 | 045 | 055 | 030 | 05C | 180 | 120 | 105 |
| 105 | 060 | 075 | 060 | 120 | 225 | | | | | | | | | | |
| £7735 | 1969 | -70 | | | | | | | | | | | | | |
| 070 | 015 | 000 | 045 | 105 | 110 | 065 | 090 | 060 | 045 | 060 | 125 | OCC | 180 | 095 | 135 |
| 090 | 135 | 070 | 000 | 090 | -1 | | | | | | | | | | |
| £7946 | 1969 | -70 | | | | | | | | | | | | | |
| 120 | 135 | 030 | 015 | 105 | 080 | 095 | 090 | 125 | 035 | 040 | 015 | C6C | 165 | 120 | 125 |
| 080 | 060 | 080 | 035 | 120 | 240 | | | | | | | | | | |
| E8697 | 1969 | -70 | | | | | | | | | | | | | |
| 090 | 115 | 060 | 035 | 105 | 075 | 045 | 080 | 100 | 040 | 030 | 000 | 030 | 150 | 090 | 110 |
| 050 | 065 | -1 | -1 | -1 | -1 | | | | | | | | | | |
| E8752 | 1969 | -70 | | | | | | | | | | | | | |
| - 1 | 105 | 000 | -1 | - I | -1 | 015 | 000 | 060 | 000 | 070 | 115 | oco | 100 | 000 | 085 |
| 000 | 095 | 000 | 000 | 000 | 080 | | | | | | | | | | |
| E8832 | 1969 | -70 | | | | | | | | | | | | | |
| 000 | 075 | 000 | 000 | 075 | 000 | 000 | 100 | 075 | 045 | 060 | 090 | 000 | 180 | 065 | 105 |
| 000 | 060 | 000 | 000 | 135 | 240 | | | | | | | | | | |
| E9049 | 1969 | -70 | | | | | | | | | | | | | |
| 000 | 105 | 000 | 055 | 110 | 080 | 000 | 090 | 000 | 055 | C70 | 130 | OCC | 150 | 130 | 110 |
| 100 | 150 | 030 | 060 | 190 | 330 | | | | | | | | | | |
| E9221 | 1969 | -70 | | | | | | | | | | | | | |
| -1 | - 1 | -1 | -1 | -1 | -1 | -1 | 000 | 070 | 065 | 065 | -1 | C6C | 165 | 11C | 105 |
| 000 | 060 | 050 | 040 | 060 | 220 | | | | | | | | | | |
| E9283 | | | | | | | | | | | | | | | |

E9458

| E9512 | 1969-70 | | | | | | | | | | | | | |
|------------|----------------------------|------------------|-----|-----|-----|-----|-----|-----|------------|-----|-----|-------|-----|-----|
| 000 | 060 000 | 000 | 080 | 080 | 000 | 090 | 070 | 060 | 060 | 105 | - 1 | CCO | 000 | 120 |
| 015 | 000 000 | 050 | 090 | 185 | | | | | | | | | | |
| L 6 | 1969-70 | | | | | | | | | | | | | |
| 030 | 150 000 | 090 | C85 | 105 | 090 | 095 | 085 | 045 | 075 | 125 | - 1 | -1 | -1 | -1 |
| 050 | 080 035 | 000 | 150 | 280 | | | | | | | | | | |
| L 10 | 1969-70 | | | | | | | | | | | | | |
| 060 | 150 000 | 055 | 080 | 105 | 065 | -1 | -1 | -1 | -1 | 090 | OCC | 145 | 090 | 000 |
| 000 | 080 000 | 000 | 015 | 260 | | | | | | | | | | |
| L 11 | 1969-70 | | | | | | | | | | | | | |
| 035 | 150 000 | 060 | 075 | 100 | 070 | 095 | 065 | 040 | 060 | 110 | occ | 180 | 120 | 015 |
| 000 | 090 030 | 000 | 150 | 260 | | | | | | | | | | |
| L 33 | 1969-70 | | | | | | | | | | | | | |
| 000 | 150 000 | 050 | 075 | 100 | 000 | 090 | 070 | 050 | 070 | 155 | 000 | 180 | 125 | 090 |
| 040 | 075 000 | 060 | 145 | 270 | | | | | | | | | | |
| L 46 | 1969-70 | | | | | | | • | | | | | | |
| 060 | 115 000 | 060 | 075 | 100 | 000 | 100 | 000 | 060 | C75 | 120 | - 1 | 160 | 115 | 100 |
| 070 | 120 060 | 045 | 140 | 275 | | | | | | | | | | |
| L 52 | 1969-70 | | | | | | | | | | | | | |
| -1 | -1 000 | 040 | C60 | 100 | 015 | 100 | 040 | 075 | C70 | 120 | CCC | 120 | -1 | 100 |
| 070 | 130 050 | 040 | 100 | 210 | | | | | | | | | | |
| L 53 | 1969-70 | | | | | | | | | | | | | |
| 065 | 085 000 | 055 | C70 | 100 | 000 | 100 | 040 | 060 | C60 | 115 | 030 | 110 | 120 | 100 |
| 020 | 140 055 | 045 | 150 | 265 | | | | | | | | | | |
| L 54 | 1969-70 | | | | | | | | | | | | | |
| -1 | -1 000 | 030 | 070 | 090 | 015 | 100 | 080 | 055 | 055 | 125 | 060 | 105 | 115 | 120 |
| 120 | 160 065 | 060 | 180 | 275 | | | | | | | | | | |
| L 128 | 1969-70 | | 100 | 000 | 075 | | | | | | | | | |
| 000 | 120 000 | -1 | 105 | 080 | 075 | -1 | -1 | -1 | -1 | 125 | 070 | 180 | 120 | 135 |
| 045 | 080 045 | 090 | 090 | 255 | | | | | | | | | | |
| L 179 | 1969-70 | 050 | 000 | 100 | 000 | 000 | 000 | 040 | 050 | 125 | 000 | 1.0 | | |
| 000 030 | 110 000 105 0 30 | 050 | CCO | 100 | 000 | 090 | 090 | 060 | C50 | 125 | CCC | 160 | 130 | 100 |
| L 191 | 105 030 1969-70 | 050 | 140 | 265 | | | | | | | | | | |
| 000 | 1969-70 | 070 | 000 | 110 | 000 | 090 | 040 | 050 | 080 | 095 | ССС | 180 | 140 | 120 |
| 020 | 070 000 | 000 | 155 | 250 | 000 | 090 | 040 | 050 | 000 | 099 | | 100 | 140 | 120 |
| L 213 | 1969-70 | 000 | 100 | 230 | | | | | | | | | | |
| 050 | 125 000 | 050 | 085 | 090 | 000 | 090 | 000 | 060 | 060 | 095 | 000 | 175 | 120 | 000 |
| 000 | 100 000 | COO | 150 | 260 | 000 | 0,0 | 000 | 000 | 000 | 077 | 000 | 117 | 120 | 000 |
| L 250 | 1969-70 | 000 | 1,0 | 200 | | | | | | | | | | |
| 000 | 110 000 | 000 | 000 | 060 | 000 | 000 | 000 | 000 | 000 | 115 | 000 | 195 | 135 | 090 |
| 000 | 105 000 | 075 | 120 | 250 | ••• | 000 | 000 | 000 | 000 | , | 000 | • / / | | 0,0 |
| L 259 | 1969-70 | 0.5 | 120 | | | | | | | | | | | |
| 000 | 140 000 | 000 | 080 | 105 | 075 | 095 | 040 | 055 | 080 | 115 | occ | 180 | 130 | 120 |
| 090 | 070 000 | 070 | 130 | 260 | | | | | | | | | | |
| L 292 | 1969-70 | - · - | | | | | | | | | | | | |
| 040 | -1 000 | 000 | 080 | 085 | 115 | 090 | 080 | 060 | C70 | 100 | OCC | -1 | -1 | 090 |
| 050 | 040 015 | 070 | 130 | 250 | | - | | | | | | - | - | |
| L 303 | 1969-70 | | | | | | | | | | | | | |
| 000 | 120 000 | 050 | 075 | 100 | 000 | 090 | 090 | 015 | 07C | 125 | 000 | 175 | 110 | 120 |
| | | | | | | | | | | | | | | |

| 040 | 090 050 | 065 | 170 | 260 | | | | | | | | | | |
|--------------|--------------------|------------|------------|------------|-----|-----|-------|------|-----|-----|-----|-----|-------|-----|
| L 372 | 1969-70 120 000 | -1 | -1 | -1 | 045 | 090 | 000 | 050 | 060 | 130 | occ | 160 | 120 | 130 |
| 015 | 075 065 | 055 | 110 | 245 | 042 | 0,0 | 000 | 0,00 | 000 | 130 | 000 | 100 | 120 | 130 |
| L 434 | 1969-70 | | | _ | | | | | | | | | | |
| -1 | -1 000 | 000 | 095 | 080 | 120 | 080 | 065 | 030 | 060 | 130 | OCC | 180 | 160 | 120 |
| 110 | 045 030 | 050 | 080 | 235 | | | | | | | | | | |
| L 435 030 | 1969-70 170 000 | 000 | 100 | 090 | 105 | 080 | 090 | 050 | C75 | 140 | occ | -1 | -1 | C70 |
| C85 | 08C 000 | 000 | 060 | 240 | 105 | 080 | 0.90 | 050 | Crs | 140 | UCC | -1 | 1 | Cit |
| L 451 | 1969-70 | | 000 | 2.0 | | | | | | | | | | |
| CCO | 105 000 | 000 | 120 | 070 | 080 | 000 | 000 | 055 | 080 | 145 | -1 | -1 | -1 | -1 |
| -1 | -1 -1 | -1 | -1 | 250 | | | | | | | | | | |
| L 458 | 1969-70 | | | | | | ~ 4 ~ | | | | | | | |
| -1 000 | -1 000 030 030 | 070 000 | 120 060 | 085 200 | 105 | 105 | 045 | 045 | 065 | 150 | 000 | 180 | 120 | 100 |
| L 466 | 1969-70 | 000 | 000 | 200 | | | | | | | | | | |
| 000 | 135 000 | 060 | 085 | 100 | 070 | 105 | 045 | 040 | 065 | 150 | occ | 180 | 110 | 120 |
| 000 | 080 000 | 065 | 150 | 265 | | | | | | _ | | _ | | |
| L 694 | 1969-70 | | | | | | | | | | | | | |
| -1 | 135 000 | 060 | 090 | 080 | 000 | 090 | 000 | 045 | 065 | 145 | occ | 185 | 090 | 135 |
| 000 L1017 | 125 015 1969-70 | 060 | 125 | 240 | | | | | | | | | | |
| 000 | 050 000 | -1 | -1 | -1 | -1 | 000 | 000 | 000 | occ | 110 | осс | 150 | 100 | 120 |
| 015 | 110 045 | 050 | 120 | 255 | • | 000 | 000 | 000 | 000 | 110 | 000 | 170 | 100 | 120 |
| L1074 | 1969-70 | | | | | | | | | | | | | |
| 070 | 110 000 | 000 | 085 | 100 | 000 | 080 | 000 | 065 | 065 | 115 | CCC | 090 | 120 | 115 |
| 140 | 150 070 | 065 | 155 | 275 | | | | | | | | | | |
| L1107 C90 | 1969-70 140 000 | -1 | -1 | 065 | 000 | 090 | 000 | 065 | 050 | 126 | 000 | 170 | 120 | 150 |
| 000 | 130 060 | 075 | 140 | 260 | 000 | 090 | 080 | 005 | 050 | 135 | 000 | 170 | 120 | 150 |
| L1108 | 1969-70 | 0., | 1.0 | 200 | | | | | | | | | | |
| 000 | 090 000 | 000 | 000 | 090 | 000 | 000 | 000 | 000 | 000 | 100 | -1 | -1 | -1 | -1 |
| -1 | -1 -1 | -1 | -1 | 245 | | | | | | | | | | |
| L1181 | 1969-70 | | | | | | | | | | | | | |
| 070 040 | 160 000 | -1 | 080 | 090 | 015 | 090 | 050 | 070 | 060 | 100 | occ | 180 | 120 | 090 |
| ₩ 100 | 065 000 | 070 | 145 | 240 | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| M 101 | 1969-70 | _ | | | | | | | | | | | | |
| -1 | -1 0 | 0 | 90 | 105 | 75 | 165 | 90 | 60 | 90 | 0 | 17C | -1 | -1 | -1 |
| -1 M 102 | -1 -1 1969-70 | -1 | -1 | 270 | | | | | | | | | | |
| -1 | -1 60 | 0 | 150 | 110 | 80 | 125 | 130 | 60 | 120 | 0 | 90 | 155 | 14C | 175 |
| ò | 30 50 | 30 | 80 | 265 | 00 | 167 | 100 | 00 | 120 | 3 | 70 | 100 | 170 | 117 |
| M 1C3 | 1969-70 | | | | | | | | | | | | | |
| 135 | 90 60 | 0 | 115 | 75 | 90 | 130 | 140 | 60 | 105 | 0 | 90 | 185 | 135 | 155 |
| 95 | 75 150 | 30 | 80 | 240 | | | | | | | | | | |
| M 104 | 1969-70 | | , | | 3.5 | 100 | | ~ ~ | | | _ | | • • • | |
| 115 | 120 -1 | -1 | -1 | -1 | 75 | 100 | 150 | 75 | 135 | o | -1 | 120 | 165 | 155 |

| | | 50 0 | . 15 | 00 | 350 | | | | | | | | | | |
|-----|------------|-----------------------------|-------|-----|-------|-------|-----|-----|-----|------|-----------|------|-----|-------|-------|
| | 60 | 50 89 | 5 15 | 90 | 250 | | | | | | | | | | |
| [4] | 124 000 | 1969-70 150 000 | 015 | 120 | 065 | 060 | 065 | 015 | 050 | 040 | 185 | ccc | 18C | 120 | 040 |
| | 110 | 090 099 | | | 240 | 000 | 005 | 015 | 050 | 060 | 100 | | 100 | 120 | 060 |
| м | 225 | 1969-70 | , -1 | -1 | 240 | | | | | | | | | | |
| | 115 | 120 05 | 020 | 110 | 090 | 000 | 080 | 055 | 050 | 040 | | 0.20 | 100 | 125 | 045 |
| | 030 | 030 09 | | 190 | 240 | 000 | 060 | 055 | 050 | 060 | - 1 | 02C | 180 | 125 | 065 |
| ш | | 1969-70 | ט כט | 190 | 240 | | | | | | | | | | |
| la. | 226 100 | 135 07 | | 110 | 075 | 040 | 100 | 005 | 025 | 015 | , | | 100 | 065 | 055 |
| | - | - | | 110 | - | 060 | 100 | 095 | 035 | 065 | - 1 | - 1 | 180 | 055 | 055 |
| | 065 | 085 - | 1 -1 | ~1 | 235 | | | | | | | | | | |
| • | 228 110 | 1969-70 125 06 | | 120 | 200 | 000 | 000 | 075 | 040 | 055 | 1 20 | 050 | 105 | | 070 |
| | 020 | 030 09 | | 120 | 090 | 000 | 090 | 075 | 040 | 055 | 120 | 05C | 185 | 110 | 070 |
| | | | 0 055 | 105 | 255 | | | | | | | | | | |
| ie. | 230 120 | 1969-70 150 06 | 0.060 | 120 | 095 | 040 | 120 | 040 | 050 | 046 | 105 | 015 | 100 | 120 | 120 |
| | | | | | | 060 | 120 | 060 | 050 | 040 | 105 | 045 | 190 | 12C | 130 |
| B.1 | 095 | 090 06 | 050 | 170 | 240 | | | | | | | | | | |
| ٧ | Α | 1969-70 | 1 _1 | , | _ 1 | 025 | 105 | 005 | 040 | 005 | 030 | 025 | | , | |
| | 090 095 | 135 - 105 089 | | -1 | -1 | 025 | 105 | 085 | 040 | 085 | C70 | 035 | -1 | -1 | -1 |
| N | 095 | 105 08: 1969-70 | 050 | 120 | 240 | | | | | | | | | | |
| IN | 100 | 130 07 | 5 040 | 120 | 005 | 015 | 100 | 075 | 025 | 0.70 | 000 | 0.30 | 100 | 105 | 040 |
| | 080 | | | | 085 | 015 | 100 | 075 | 035 | 670 | 080 | 020 | 190 | 105 | 060 |
| Ŋ | 1 | 065 089 1969-70 | 5 015 | 210 | 235 | | | | | | | | | | |
| 14 | 100 | 120 01 | 0 015 | 090 | 075 | 035 | 090 | 120 | 045 | 035 | 000 | 050 | 115 | 100 | |
| | 040 | 050 06 | | | 250 | 055 | 090 | 120 | 065 | 035 | 000 | 05C | 165 | 100 | 130 |
| N | | 1969-70 | 5 000 | 115 | 250 | | | | | | | | | | |
| 1.8 | 2 090 | 145 05 | 5 070 | 110 | 085 | 030 | 000 | 000 | 040 | 035 | 000 | 0.0 | 305 | 125 | 115 |
| | 025 | 100 07 | | | | 050 | 080 | 090 | 060 | 035 | COO | 04C | 185 | 135 | 115 |
| N | 3 | 1969-70 | 045 | 110 | 240 | | | | | | | | | | |
| 1.4 | 155 | 115 (4) | 5 025 | 105 | 085 | 075 | 105 | 110 | 040 | 015 | 075 | | | 1.20 | 005 |
| | 100 | 060 09 | | 110 | 240 | 015 | 105 | 110 | 060 | 065 | 075 | CIC | 180 | 13C | 085 |
| N | 4 | 1969-70 | 050 | 110 | 240 | | | | | | | | | | |
| , A | 095 | 105 039 | 5 025 | 080 | 050 | 020 | 090 | 100 | 060 | 015 | C85 | 030 | 100 | 120 | 095 |
| | 090 | 035 01 | | 095 | 235 | 020 | 090 | 100 | 000 | 019 | 605 | C3C | 180 | 120 | 695 |
| N | 5 | 1969-70 | , 015 | 095 | 233 | | | | | | | | | | |
| 1.4 | 075 | 120 07 | 015 | 110 | 070 | 040 | 105 | 085 | 060 | 060 | 055 | 030 | 180 | 100 | 075 |
| | 120 | 015 03 | | 120 | 250 | 040 | 103 | 000 | 060 | 080 | 055 | 030 | 100 | 100 | 015 |
| Ν | 6 | 1969-70 | 0 020 | 120 | 2 7 0 | | | | | | | | | | |
| • | 085 | 120 06 | 0 015 | 110 | 070 | 015 | 105 | 085 | 080 | 040 | 060 | 05C | 155 | 120 | 085 |
| | 105 | 045 05 | | 120 | 250 | 013 | 10) | 005 | 080 | 040 | 000 | 0,00 | 100 | 120 | 069 |
| N | 7 | 1969-70 | 0 040 | 120 | 200 | | | | | | | | | | |
| • | 065 | 095 01 | 5 000 | 105 | 080 | 035 | 085 | 085 | 060 | 060 | 060 | 090 | 175 | 145 | 085 |
| | 080 | 055 01 | | 095 | 230 | 0,5,5 | •07 | 003 | •00 | 000 | 000 | 0,0 | 117 | 147 | 007 |
| N | | 1969-70 | | | | | | | | | | | | | |
| • | 065 | 140 00 | 000 | 060 | 065 | 000 | 105 | 065 | 065 | 050 | 110 | 025 | 165 | 065 | 090 |
| | 015 | 095 00 | | -1 | -1 | | | | | | | | | | J / U |
| N | 94 | 1969-70 | | - | • | | | | | | | | | | |
| • | 075 | 135 04 | 5 015 | 100 | 070 | 055 | 105 | 080 | 045 | 055 | 060 | 035 | 150 | 090 | C80 |
| | 080 | 080 00 | _ | 095 | 240 | | | | | | - | | | - / 0 | |
| N | 10 | 1969-70 | | | | | | | | | | | | | |
| | 080 | 090 - | 1 -1 | -1 | -1 | -1 | 100 | 085 | 065 | 065 | 075 | 030 | 185 | 120 | 080 |
| | | | • | - | - | • | | | | | | | | | 000 |

| | 105 | 055 050 | 030 | 120 | 230 | | | | | | | | | | |
|----|-----|---------|-------|-----|-----|-----|-----|-----|------------|-----|-------|-------|-----|-----|------|
| Ŋ | 11 | 1969-70 | | | | | | | | | | | | | |
| | 065 | 135 -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 080 | 095 | 185 | 130 | 075 |
| | 105 | 085 075 | 035 | 115 | 235 | | | | | | | | | | |
| N | 12A | 1969-70 | | | | | | | | | | | | | |
| | C90 | 100 -1 | -1 | -1 | -1 | -1 | -1 | -1 | - 1 | - 1 | 140 | C75 | 200 | 095 | 105 |
| | 085 | 105 015 | 070 | 155 | 240 | | | | | | | | | | |
| 1 | 13 | 1969-70 | | | | | | | | | | | | | |
| | 080 | 120 075 | 075 | 115 | 075 | 060 | 105 | 075 | 035 | 05C | 065 | 020 | 205 | 120 | C60 |
| | 055 | 085 085 | 030 | 135 | 235 | | | | | | | | | | |
| Ŋ | 14 | 1969-70 | | | | | | | | | | | | | |
| | 090 | 120 015 | 000 | 135 | 070 | 000 | 090 | 075 | 060 | C70 | 100 | 085 | 180 | 130 | 090 |
| | 100 | 060 080 | 025 | 150 | 245 | | | | | | | | | | |
| V | 15 | 1969-70 | | | | | | | | | | | | | |
| | 100 | 060 055 | 010 | 135 | 075 | 085 | 105 | 070 | 040 | 060 | 075 | 025 | 180 | 125 | 060 |
| | 030 | 085 035 | 060 | 150 | 230 | | | | • | | | | ••• | | |
| N | | 1969-70 | • • • | • | | | | | | | | | | | |
| • | 095 | 120 -1 | -1 | -1 | -1 | 000 | -1 | -1 | -1 | -1 | 095 | 025 | 185 | 130 | 095 |
| | C85 | 070 080 | 045 | 130 | 260 | ••• | • | - | • | • | 0,,, | 02, | •0> | 130 | 0,2 |
| N | | 1969-70 | • | • | | | | | | | | | | | |
| · | 100 | 150 -1 | -1 | -1 | -1 | -1 | 120 | 075 | 060 | C70 | 100 | 045 | 185 | 120 | C85 |
| | 080 | 060 075 | 050 | 140 | 240 | - | | | ••• | | | • • • | •02 | | - |
| -1 | 18 | 1969-70 | | | | | | | | | | | | | |
| • | 085 | 075 090 | 080 | 105 | 105 | 050 | 120 | 100 | 060 | 080 | 065 | C3C | 215 | 075 | 075 |
| | 000 | 015 095 | 045 | 100 | 235 | | | | 000 | | 003 | 030 | | 0.5 | 0.5 |
| N | | 013 077 | 0,,, | | | | | | | | | | | | |
| • | • , | | | | | | | | | | | | | | |
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| N | 20 | | | | | | | | | | | | | | |
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| ٧ | 21 | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | |
| S | 201 | 1969-70 | | | | | | | | | | | | | |
| | 120 | 120 055 | 030 | 110 | 075 | 040 | 120 | 100 | 070 | 055 | 060 | 035 | 150 | 075 | 110 |
| | 090 | 055 045 | 030 | 100 | 240 | | | | | | | | | _ | |
| S | 202 | 1969-70 | | | | | | | | | | | | | |
| | 120 | 120 060 | 025 | 105 | 075 | 050 | 095 | 095 | 070 | 075 | 105 | C45 | 180 | 115 | 125 |
| | 100 | 050 110 | 045 | 120 | 240 | | | | • • • | | | | ••• | • | |
| S | 203 | 1969-70 | | | | | | | | | | | | | |
| _ | 110 | 125 060 | 030 | 110 | 100 | 030 | 165 | 095 | 060 | 025 | 070 | 04C | 190 | 165 | 100 |
| | 095 | 065 065 | 040 | 090 | 245 | | | | • | | • • • | | | | |
| S | 204 | 1969-70 | | | | | | | | | | | | | |
| • | 135 | 115 045 | 030 | 105 | 090 | 020 | 105 | 095 | 050 | 080 | C75 | occ | 210 | 130 | 090 |
| | 095 | 080 090 | 035 | 110 | 250 | | | | | | | | | | - 70 |
| S | 205 | 1969-70 | | | | | | | | | | | | | |
| _ | 120 | 125 060 | 050 | 120 | 090 | 040 | 105 | -1 | -1 | - 1 | 000 | 070 | 180 | 105 | 105 |
| | 085 | 060 040 | 030 | 080 | 240 | | | - | - | • | | | | | |
| S | 206 | 1969-70 | | | | | | | | | | | | | |
| • | -1 | -1 055 | 060 | 110 | 075 | 035 | 110 | 080 | 030 | 060 | 065 | 035 | 180 | 075 | 085 |
| | | | | | | | | | | | | | | | |

| _ | 000 | 075 120 | 065 | 090 | 250 | | | | | | | | | | |
|---|------------|---------|-----|-----|------|-----|-----|-----|-----|-----|-----|-------|-----|-----|-----|
| 5 | 208 | 1969-70 | | | 200 | | | | _ | | | | | | 005 |
| | -1 | 135 050 | | 125 | 090 | 000 | -1 | -1 | -1 | - 1 | 105 | 02C | 150 | 100 | 095 |
| _ | 105 | 060 000 | 045 | 120 | 240 | | | | | | | | | | |
| ٥ | 209 | 1969-70 | | | | | | | | | | | | | |
| | 120 | 150 000 | | 120 | 090 | 000 | 115 | 075 | 035 | 090 | 110 | 045 | 180 | 125 | 070 |
| _ | 105 | 045 000 | 050 | 145 | 240 | | | | | | | | | | |
| 5 | 210 | 1969-70 | | | | | | | | | | | | | |
| | 120 | 120 060 | | 120 | 090 | 000 | 110 | 070 | 035 | 065 | 105 | 035 | 180 | 12C | 090 |
| | 075 | 045 100 | 070 | 120 | 245 | | | | | | | | | | |
| 5 | 211 | 1969-70 | | | | | | | | | | | | | |
| | - 1 | 120 045 | | 120 | 075 | 060 | 105 | 070 | 050 | 060 | 085 | C35 | 180 | 110 | 065 |
| | 110 | 045 070 | 015 | 165 | 220 | | | | | | | | | | |
| S | 212 | 1969-70 | | | | | | | | | | | | | |
| | - 1 | -1 060 | | 135 | 070 | 050 | 165 | 075 | 040 | 055 | C80 | C45 | 195 | 125 | C75 |
| | 090 | 060 105 | 060 | 170 | 240 | | | | | | | | | | |
| S | 215 | 1969-70 | | | | | | | | | | | | | |
| | - 1 | 120 060 | 050 | 090 | 090 | -1 | 105 | 085 | 085 | 020 | -1 | 030 | 195 | 120 | 105 |
| | 090 | 060 075 | 025 | 120 | 235 | | | | | | | | | | |
| S | 217 | 1969-70 | | | | | | | | | | | | | |
| | 100 | 135 065 | 075 | 120 | 065 | 030 | 090 | 070 | 045 | 020 | 015 | 040 | 170 | 135 | 090 |
| | 015 | 050 -1 | -1 | -1 | - 1 | | | | | | | | | | |
| S | 221 | 1969-70 | | | | | | | | | | | | | |
| | 000 | 100 000 | 000 | 040 | 045 | 000 | 100 | 060 | 045 | 040 | 080 | OCC | 015 | 120 | 090 |
| | 000 | 085 000 | 000 | 090 | 220 | | | | | | | | | | |
| S | 231 | 1969-70 | | | | | | | | | | | | | |
| | 120 | 150 -1 | -1 | 120 | 075 | 000 | 115 | 070 | 040 | 060 | 105 | CCC | 185 | 15C | C70 |
| | 045 | 055 065 | 065 | 120 | 240 | | | | | | | | | | |
| S | 232 | 1969-70 | | | | | | | | | | | | | |
| | 135 | 150 060 | 000 | 135 | 060 | 000 | 120 | 075 | 045 | 045 | 115 | CCC | 180 | 155 | 095 |
| | 110 | 055 055 | 075 | 105 | 245 | | | | | | | | | | |
| S | 233 | 1969-70 | | | | | | | | | | | | | |
| | 090 | 095 030 | 060 | 110 | 055 | 020 | 105 | 100 | 070 | 025 | 085 | 030 | 190 | 135 | 085 |
| | 095 | 030 060 | | 120 | 240 | | | | | | | | | | |
| S | 234 | 1969-70 | | | _ | | | | | | | | | | |
| | 110 | 135 075 | 030 | 120 | 095 | 000 | 090 | 060 | 030 | 030 | 210 | -1 | -1 | -1 | 065 |
| | 020 | 020 060 | | 300 | 240 | | | | | | | _ | _ | - | |
| S | 235 | 1969-70 | | | | | | | | | | | | | |
| | 120 | 150 000 | 000 | 090 | 0.50 | 090 | 145 | 120 | 040 | 030 | 000 | 060 | 135 | 115 | 130 |
| | 045 | 050 015 | | 110 | 240 | | | | | | | | | | |
| S | 236 | 1969-70 | | | _ | | | | | | | | | | |
| - | -1 | 130 060 | 090 | 100 | 065 | 060 | 110 | 090 | 025 | 030 | 120 | C6C | 180 | 12C | C90 |
| | 045 | 050 120 | | 090 | 240 | | | | | | | | | | |
| S | 238 | 1969-70 | | | | | | | | | | | | | |
| _ | 120 | 090 000 | 060 | 105 | 065 | 000 | 090 | 070 | 050 | 025 | 135 | C70 | -1 | -1 | -1 |
| | -1 | -1 -1 | | -1 | -1 | | | | | | | - • • | - | - | - |
| S | 241 | | | | _ | | | | | | | | | | |
| _ | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| S | 242 | 1969-70 | | | | | | | | | | | | | |
| | 095 | 135 060 | 050 | 135 | 080 | 030 | 100 | 070 | 045 | 055 | 095 | 045 | 185 | 115 | 060 |
| | | | | | | | | | | | | | | | |

| | 080 | 060 120 | 050 | 160 | 255 | | | | | | | | | | |
|----|------------|--------------------|------|-----|-----|-----|------|------|------|-----|-----|------|-----|-----|-------|
| 5 | 249 | 1969-70 | | | | | | | | | | | | | |
| | 110 | 110 000 | 030 | 095 | 105 | 060 | 080 | 090 | 060 | 060 | 080 | 095 | 180 | 12C | 1 C O |
| _ | 105 | 090 105 | 075 | 180 | 255 | | | | | | | | | | |
| 2 | 251 | 1969-70 | 0.75 | | ••• | | | | | | | | | | |
| | 120 | 130 070 | 075 | 120 | 080 | 075 | 105 | 070 | 060 | 035 | 060 | C5C | 190 | 135 | 105 |
| _ | 095 | 055 060 | 045 | 120 | 255 | | | | | | | | | | |
| 2 | 255 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| c | 256 | | | | | | | | | | | | | | |
| • | 200 | | | | | | | | | | | | | | |
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| ς | 257 | | | | | | | | | | | | | | |
| • | 23. | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| ٧ | 85 | 1969-70 | | | | | | | | | | | | | |
| | 120 | 105 000 | 060 | 130 | 075 | 060 | 080 | 060 | 050 | 045 | 125 | OCC | 210 | 10C | 150 |
| | 075 | 045 055 | 055 | 110 | 240 | | | | | | | | | | |
| ٧ | 121 | 1969-70 | | | | | | | | | | | | | |
| | 000 | 135 000 | 060 | 100 | 085 | -1 | 090 | 070 | 000 | 075 | 160 | OC C | 18C | 120 | C75 |
| | 090 | 075 000 | 030 | 120 | 240 | | | | | | | | | | |
| ٧ | 138 | 1969-70 | | | | | | | | | | | | | |
| | 090 | 060 000 | 000 | 120 | 105 | 015 | 090 | 060 | 060 | 050 | 150 | 060 | 195 | 120 | 150 |
| | 150 | 075 060 | 090 | 180 | 120 | | | | | | | | | | |
| ٧ | 165 | 1969-70 | 0.40 | | 075 | 015 | 000 | 0.40 | 0.45 | | | | | | |
| | 105 | 120 030 | 060 | 110 | 075 | 015 | 080 | 060 | 045 | 035 | 150 | 000 | 210 | 130 | 150 |
| | 105 | 075 075 | 065 | 120 | 240 | | | | | | | | | | |
| ٧ | 166 075 | 1969-70 150 045 | 060 | 130 | 070 | -1 | 090 | 040 | 060 | 050 | 125 | occ | 100 | 125 | 120 |
| | 120 | 050 080 | 060 | 105 | 240 | -1 | 090 | 060 | 060 | 050 | 125 | 000 | 180 | 125 | 130 |
| v | 167 | 1969-70 | 000 | 105 | 240 | | | | | | | | | | |
| • | 035 | 135 050 | 090 | 135 | 080 | 025 | 090 | 050 | 050 | 060 | 130 | ccc | 180 | 075 | 145 |
| | 000 | 050 080 | 090 | 125 | 240 | 02) | 0,0 | 0,70 | 0,50 | 000 | 150 | 000 | 100 | 0.7 | 147 |
| ٧ | 168 | 1969-70 | | | | | | | | | | | | | |
| · | 030 | 090 030 | 060 | 130 | 100 | 030 | 115 | 080 | 045 | 065 | 120 | C65 | 165 | 05C | C45 |
| | 000 | 060 000 | 000 | 155 | 225 | | | | | | | | | | |
| ٧ | 169 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| ٧ | 170 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | 10/0 75 | | | | | | | | | | | | | |
| ٧ | 171 | 1969-70 | | | | | | | | | | | | | |
| | 000 | 120 000 | 040 | 130 | 095 | 135 | 090 | 075 | 045 | 070 | 140 | 000 | 175 | 120 | 110 |
| ., | 000 | 080 060 | 090 | 155 | 240 | | | | | | | | | | |
| ٧ | 172 000 | 1969-70 110 000 | 045 | 135 | 090 | 135 | 000 | 075 | 035 | 080 | 135 | 000 | 100 | 105 | 120 |
| | 060 | 075 070 | 070 | 165 | 225 | 133 | 000 | 013 | 037 | uat | 133 | | 180 | 105 | 130 |
| ν | 173 | 1969-70 | 010 | 103 | 263 | | | | | | | | | | |
| ٧ | 035 | 090 000 | 060 | 120 | 080 | 105 | 090 | 060 | 060 | 080 | 135 | осс | 185 | 110 | 115 |
| | ررن | 370 000 | 000 | 120 | 000 | 107 | 0 70 | 000 | 000 | 000 | | | 100 | 110 | 113 |

| ., | 110 174 | 105 060 1969-70 | U75 | 155 | 240 | | | • | | | | | | | |
|----|------------|--------------------------|-----------|------------|------------|------|-----|-----|-------|-----|-----|-----|-----|------|-----|
| ٧ | 125 | 075 -1 | -1 | -1 | -1 | -1 | 000 | 060 | 060 | 060 | 160 | occ | 240 | 120 | 120 |
| | 115 | 090 060 | 060 | 135 | -1 | - 1 | 000 | 000 | 080 | 000 | 100 | UCC | 240 | 120 | 120 |
| J | 175 | 1969-70 | 000 | 133 | - 1 | | | | | | | | | | |
| ٧ | 030 | -1 -1 | -1 | -1 | -1 | -1 | 090 | 055 | 060 | 075 | 130 | occ | 210 | 095 | 075 |
| | 000 | 120 045 | 045 | 135 | 235 | -1 | 090 | 035 | 000 | 015 | 130 | 000 | 210 | 093 | 015 |
| W | 188 | 1969-70 | 045 | 133 | 233 | | | | | | | | | | |
| ٧ | 000 | 135 015 | 000 | 120 | 075 | 000 | 100 | 085 | 055 | 060 | 125 | CEC | 185 | 120 | C70 |
| | 000 | 065 030 | 020 | 100 | 215 | 000 | 100 | Und | 0,7,5 | 000 | 123 | Cec | 160 | 120 | CIU |
| M | 189 | 1969-70 | 023 | 100 | 213 | | | | | | | | | | |
| ٧ | 000 | 120 000 | 050 | 125 | 075 | 015 | 105 | 090 | 055 | C6C | 165 | ccc | 180 | 105 | C8C |
| | 000 | 120 090 | 085 | 115 | 235 | 015 | 109 | 090 | 093 | COC | 105 | | 100 | 105 | CBC |
| M | 190 | 1969-70 | כחט | 117 | 237 | | | | | | | | | | |
| ٧ | 000 | 150 000 | 000 | 110 | 080 | 095 | 060 | 100 | 055 | C75 | 130 | 000 | 175 | 105 | 090 |
| | 000 | 090 055 | 040 | 140 | 235 | 099 | 060 | 100 | 055 | 675 | 130 | UCC | 175 | 105 | 090 |
| 14 | 191 | 1969-70 | 040 | 140 | 233 | | | | | | | | | | |
| ٧ | 000 | 120 000 | 000 | 135 | 090 | 095 | 090 | 080 | 050 | 075 | 135 | 000 | 120 | 120 | 095 |
| | 000 | 060 030 | 045 | | | 095 | 090 | UOU | 050 | 015 | 133 | 000 | 120 | 120 | 095 |
| 14 | 192 | 1969-70 | 045 | 185 | 240 | | | | | | | | | | |
| ٧ | 000 | 125 000 | 200 | 110 | 090 | . 1 | , | . 1 | , | , | , | | | , | |
| | -1 | -1 -1 | 000 -1 | -1 | | -1 | -1 | -1 | -1 | - 1 | - 1 | - 1 | -1 | -1 | -1 |
| | 193 | 1969-70 | -1 | -1 | -1 | | | | | | | | | | |
| ٧ | -1 | | 0 | 0 | 75 | 0 | | 1 | 35 | 90 | _ • | 1 | 195 | 120 | 85 |
| | | | 0 | | | U | -1 | -1 | 22 | 90 | - 1 | - 1 | 145 | 13C | 85 |
| | 0 | 75 0 1969 - 70 | 70 | 195 | 250 | | | | | | | | | | |
| ٧ | 194 | | 045 | 120 | 120 | 005 | 120 | 100 | 040 | 075 | 150 | 040 | 105 | 1.20 | 075 |
| | -1 000 | -1 015 060 000 | 045 | 120 060 | 120 240 | 095 | 120 | 100 | 060 | 075 | 150 | C6C | 195 | 12C | 075 |
| ., | | | 045 | 060 | 240 | | | | | | | | | | |
| ٧ | 196 000 | 1969-70 C85 000 | 060 | 120 | 090 | 120 | 090 | 100 | 065 | 055 | 106 | 000 | 100 | | |
| | 110 | 075 045 | 050 | | | 120 | 090 | 100 | 065 | 055 | 105 | occ | 180 | 130 | 12G |
| W | 198 | 1969-70 | 050 | 160 | 240 | | | | | | | | | | |
| ٧ | 105 | 090 000 | 055 | 125 | 075 | 090 | 070 | 050 | 060 | 045 | 126 | ССС | 105 | 120 | |
| | 095 | 055 030 | 055 | 090 | 245 | 090 | 070 | 050 | 060 | 049 | 135 | | 195 | 120 | 110 |
| | 206 | 1969-70 | 055 | 690 | 245 | | | | | | | | | | |
| ٧ | 000 | 060 000 | 000 | 130 | 075 | 105 | 090 | 080 | 055 | 075 | 150 | 000 | 185 | 120 | 030 |
| | 060 | 075 030 | 040 | 155 | 240 | 105 | 090 | 080 | 055 | 075 | 150 | 000 | 100 | 120 | 050 |
| u | 207 | 1969-70 | 040 | 1 7 5 | 240 | | | | | | | | | | |
| ٧ | 100 | 120 060 | 040 | 125 | 080 | 070 | 150 | 065 | 055 | 045 | 120 | ccc | 205 | 115 | 115 |
| | 120 | 070 -1 | -1 | -1 | 240 | 010 | 100 | 007 | 0,7,7 | 047 | 120 | CCC | 203 | 113 | 113 |
| v | 209 | 1969-70 | - • | - 7 | 240 | | | | | | | | | | |
| • | 045 | 115 000 | 050 | 110 | 075 | 090 | 085 | 075 | 045 | 060 | 095 | CCC | 190 | 095 | 120 |
| | 075 | 075 000 | 000 | 090 | 240 | 0 30 | 000 | 017 | 047 | 000 | 095 | | 190 | 095 | 120 |
| v | 221 | 1969-70 | 000 | 570 | 240 | | | | | | | | | | |
| • | 105 | 125 055 | 070 | 115 | 100 | 060 | 075 | 065 | 045 | 050 | 150 | 040 | 185 | 135 | 075 |
| | 060 | 040 030 | 045 | 120 | 240 | 000 | 013 | 000 | 047 | 0,0 | 200 | 070 | 103 | 133 | 013 |
| v | 224 | 1969-70 | U - 7 | 120 | 270 | | | | | | | | | | |
| • | 030 | 120 000 | 050 | 135 | 100 | 100 | -1 | -1 | -1 | -1 | - 1 | occ | 175 | 100 | 105 |
| | 095 | 075 090 | 050 | 125 | 240 | 100 | • | • | • | • | • | 000 | 117 | 100 | 103 |
| v | 225 | 1969-70 | 0,0 | 167 | 2 40 | | | | | • | | | | | |
| • | 000 | 135 -1 | -1 | -1 | -1 | 135 | 085 | 060 | 050 | 075 | 135 | 000 | 210 | 110 | 150 |
| | 3.,0 | | • | • | • | | 007 | 000 | 0 7 0 | 0,7 | 100 | 000 | 210 | 110 | 1,0 |

| v | 120 227 | 125 060 1969-70 | 070 | 130 | 240 | | | | | | | | | | |
|---|------------|--------------------|-------|-----|-----|------------|-----|------------|-------|-----|-----|-----|-----|------------|-----|
| ٧ | 0 | 135 0 | 0 | 85 | 90 | 0 | 75 | 120 | 25 | 65 | 160 | С | 18C | 135 | 110 |
| | 120 | 75 60 | 30 | 135 | 240 | • | | | | | | | | | |
| v | 232 | 1969-70 | 50 | | 2.0 | | | | | | | | | | |
| ٧ | 060 | 135 015 | 000 | 135 | 105 | 075 | 105 | 080 | 055 | 060 | 135 | -1 | -1 | -1 | -1 |
| | | -1 -1 | -1 | -1 | -1 | 0,7 | , | 000 | 0.2.2 | ••• | | - | | | |
| | -1 | -1 -1 | -1 | -1 | -1 | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| В | AND D | URATION 1 | 970-7 | 1 | | | | | | | | | | | |
| Δ | 21 | 1970-71 | | | | | | | | | | | | | |
| | -1 | -i -1 | -1 | -1 | -1 | -1 | -1 | - 1 | 0 | 0 | 0 | С | 8 C | 5 C | 15 |
| | Ō | 30 0 | -1 | 0 | 60 | | | | | | | | | | |
| Α | 23 | 1970-71 | | | • | | | | | | | | | | |
| | - 1 | -1 -1 | -1 | -1 | -1 | - 1 | -1 | -1 | -1 | -1 | -1 | - 1 | -1 | -1 | -1 |
| | -1 | 0 0 | -1 | 110 | 90 | | | | | | | | | | |
| Δ | 24 | 1970-71 | | | | | | | | | | | | | |
| | 75 | 20 15 | 0 | 0 | 175 | 110 | 0 | 0 | 0 | 0 | 0 | С | 100 | 20 | 0 |
| | 15 | 55 0 | 240 | 0 | 70 | | | | | | | | | | |
| Α | 26 | 1970-71 | | | | | | | | | | | | | |
| | -1 | -1 -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 40 | 0 | 15 |
| | 40 | 20 0 | -1 | -1 | -1 | | | | | | | | | | |
| Α | | 1970-71 | | | | | | | | | | | | | • |
| | 75 | 0 15 | 0 | 0 | 180 | 125 | 0 | 0 | 0 | С | 15 | С | 90 | 25 | 0 |
| | 50 | 95 0 | 30 | 70 | 75 | | | | | | | | | | |
| A | | 1970-71 | | | | | | | | | | | | | |
| | 105 | 0 40 | 0 | 0 | 175 | 110 | 165 | 45 | 0 | 0 | 0 | 5 C | 120 | 75 | 45 |
| | 30 | 15 105 | 180 | 120 | 135 | | | | | | | | | | |
| Α | | 1970-71 | ••• | | | | | | | | | | | | |
| | 95 | 45 0 | 0 | 0 | 160 | 95 | 40 | 0 | 0 | 0 | 95 | 50 | 65 | 3 C | 0 |
| | Ő | 90 15 | 175 | 110 | 65 | | | | | | | | | | |
| Δ | | 1970-71 | - | | | | | | | | | | | | |
| | 70 | 0 0 | 0 | 0 | 170 | 115 | 0 | 0 | 0 | 0 | 0 | C | 55 | 15 | 40 |
| | 60 | 0 0 | Ŏ | -1 | -1 | | | | | | | | | | |
| Α | | 1970-71 | - | _ | _ | | | | | | | | | | |
| | -1 | -1 -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | C | -1 | - 1 | -1 |
| | -ī | 15 0 | 180 | -1 | -1 | | | | | | | | | | |
| Δ | | 1970-71 | | | | | | | | | | | | | |
| | 100 | 00 00 | 00 | 00 | 215 | 85 | 00 | 00 | 00 | 15 | 00 | CC | 35 | OC | CO |
| | CO | 60 00 | | | | | | | | | | | | | |
| Δ | | 1970-71 | | | | | | | | | | | | | |
| | 90 | 15 0 | 0 | 0 | 170 | 140 | 0 | 0 | 0 | 0 | 30 | С | 70 | 0 | 25 |
| | 15 | 0 0 | 105 | 100 | 90 | | | | | | | | | | |
| 4 | | 1970-71 | | | | | | | | | | | | | |
| _ | 95 | 45 55 | 00 | 00 | 170 | 115 | 165 | 60 | | | | | | | |
| | | 90 00 | 180 | 75 | 60 | | | | | | | | | | |
| 1 | 36 | 1970-71 | | _ | | | | | | | | | | | |
| • | 85 | 0 40 | 0 | O | 180 | 145 | υ | 0 | 0 | 175 | 130 | 15 | 80 | С | 0 |
| | 0 | 0 0 | 170 | 115 | 60 | | | | | | | | | | |
| 1 | 37 | 1970-71 | - • | | | | | | | | | | | | |
| • | | | | | | | | | | | | | | | |

| 95 | 0 0 | 0 | 65 | 180 | 135 | 0 | 0 | 85 | 225 | 140 | 100 | 115 | 45 | С |
|------------|------------------|-----------|-----------|------------|-----|-----|-----|-----|-----|------|-----|-----|-----|-----------|
| 15 A 38 | 15 0 1970-71 | 210 | 40 | 110 | | | | | | | | | | |
| 105 | 0 0 | 0 | 80 | 175 | 105 | 0 | 0 | -1 | -1 | - 1 | -1 | -1 | -1 | -1 |
| -1 | 90 110 | -1 | 15 | 120 | | | | | | | | | | |
| A 41 | 1970-71 | | | | | | | | | | | | | |
| 90 | 115 75 | 00 | 00 | 180 | 130 | 155 | 45 | 00 | 0.0 | 95 | 70 | 180 | 75 | 65 |
| 35 | 00 00 1970-71 | 225 | 175 | 165 | | | | | | | | | | |
| 4 42 70 | 65 75 | 80 | 00 | 215 | 75 | 140 | 30 | 80 | 160 | 85 | 90 | 155 | 65 | 55 |
| 40 | 40 30 | 195 | 135 | 150 | ,, | 140 | 30 | 80 | 100 | 0.5 | 90 | 100 | 65 | 22 |
| A 44 | 1970-71 | 177 | 100 | 100 | | | | | | | | | | |
| 95 | 110 25 | 00 | 00 | 190 | 120 | 120 | 40 | 90 | 180 | 100 | 9 C | 150 | 65 | 75 |
| 50 | 35 15 | 230 | 165 | 120 | | | | | • | | | | | |
| 4 45 | 1970-71 | | | | | | | | | | | | | |
| 90 | 75 85 | 00 | 15 | 190 | 105 | 150 | 60 | 00 | 160 | 110 | 4 C | 16C | 11C | 45 |
| 45 | 60 00 | 235 | 150 | 90 | | | | | | | | | | |
| A 46 | 1970-71 | | | | | | | | | | | | | |
| 90 | 00 00 | 00 | 00 | 190 | 90 | 140 | 00 | 15 | 18C | 65 | 15 | 100 | 3 C | 15 |
| 15 | 00 00 | 235 | 125 | 80 | | | | | | | | | | |
| A 47 | 1970-71 | _ | _ | | | | • | _ | | | _ | | | |
| 75 | 60 60 | 0 | 0 | 190 | 120 | 120 | 0 | 0 | 195 | 100 | С | 125 | 75 | 50 |
| 0 E 442 | 0 0 1970-71 | 260 | -1 | -1 | | | | | | | | | | |
| 65 | 0 75 | 0 | 0 | 180 | 165 | 0 | 0 | 0 | 0 | 0 | С | 90 | 20 | 85 |
| 30 | 0 0 | 240 | 110 | 165 | 10) | U | U | V | Ü | U | C | 70 | 20 | 65 |
| E1142 | 1970-71 | 240 | 110 | 105 | | | | | | | | | | |
| 90 | 90 50 | 105 | 25 | 160 | 105 | 175 | 35 | 80 | 220 | 105 | C | 155 | 5 C | 0 |
| 85 | 130 0 | 180 | 135 | 120 | • | • | | | | | • | ••• | | • |
| E1253 | | | | | | | | | | | | | | |
| 60 | 45 85 | 135 | 45 | 200 | 125 | 155 | 30 | 100 | 26C | 135 | 5 C | 165 | 4 C | 35 |
| 50 | 150 120 | 250 | 160 | 120 | | | | | | | | | | |
| E1682 | 1970-71 | | | | | | | | | | | | | |
| 105 | 3C 45 | 0 | 85 | 150 | 145 | 115 | 0 | 75 | 225 | 175 | 6 C | 195 | 15 | 40 |
| 45 | 90 30 | 190 | 125 | 150 | | | | | | | | | | |
| £1743 | 1970-71 | , | 00 | 150 | 0.0 | 150 | 3.0 | 0.5 | | 7.5 | | | | • |
| -1 60 | -1 -1 150 0 | -1 220 | 90 140 | 150 125 | 90 | 150 | 30 | 85 | 190 | 75 | 45 | 110 | 55 | 0 |
| E3465 | 1970-71 | 220 | 140 | 123 | | | | | | | | | | |
| -1 | -1 -1 | 60 | 0 | 190 | 150 | -1 | -1 | -1 | -1 | -1 | - 1 | -1 | -1 | -1 |
| - î | 90 60 | 0 | -1 | -1 | 100 | • | | | • | • | • | • | - | • |
| E3751 | 1970-71 | · | - | - | | | | | | | | | | |
| 95 | 60 45 | 0 | 80 | 140 | 170 | 180 | 0 | 75 | 230 | 120 | 45 | 195 | 0 | 35 |
| 20 | 135 50 | 210 | 140 | 125 | | | - | | | .= - | | | - | |
| Ē4144 | | | | | | | | | | | | | | |
| 105 | 75 60 | 30 | CO | 200 | 135 | 180 | 50 | 75 | 18C | 80 | 75 | 165 | 55 | 65 |
| 60 | 00 00 | 205 | 135 | 125 | | | | | | | | | | |
| E4767 | 1970-71 | | | | | | | | | | | | | |

E4867 1970-71

| 55 30 E5098 | 60 70 60 105 1970-71 | 100 175 | 100 -1 | 140 -1 | 135 | 145 | 0 | 80 | 240 | 150 | 6C | 180 | 40 | 15 |
|-------------------|-----------------------------|------------|------------|------------|-----|-----|----|-----|-------|-----|-----|-----|----|----|
| 90 70 £5151 | 65 50 0 0 1970-71 | 0 245 | 75 140 | 180 90 | 105 | 120 | 45 | 0 | 200 | 120 | 120 | 150 | 75 | 90 |
| 90 0 E5184 | 35 0 90 0 1970-71 | 0 0 | 0 100 | 150 45 | 105 | 0 | 0 | 0 | , 18C | 75 | 75 | 75 | С | C |
| -1 80 E5756 | -1 -1 110 0 1970-71 | -1 185 | -1 120 | -1 130 | -1 | -1 | -1 | 100 | 210 | 90 | 45 | 175 | 75 | 60 |
| 0 -1 E60C6 | 0 0 0 0 1970-71 | 0 | 90 0 | -1 60 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | -1 | -1 | -1 |
| 85 -1 E6624 | 60 50 125 125 1970-71 | 0 210 | 85 -1 | 170 -1 | 155 | 135 | 25 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| -1 0 E6736 | -1 -1 0 0 1970-71 | -1 240 | -1 0 | -1 0 | -1 | -1 | -1 | 0 | 190 | 0 | 0 | 120 | 85 | 35 |
| 90 40 E7735 | 55 50 90 0 1970-71 | 110 160 | 0 155 | 135 135 | 130 | 175 | 45 | 85 | 210 | 105 | С | 150 | 6C | 0 |
| 85 60 E7946 | 0 0 135 60 | -1 270 | 75 110 | 185 145 | 135 | -1 | -1 | 75 | 225 | 160 | 150 | 150 | 75 | 80 |
| 90 60 E8697 | 90 100 8C 30 | 70 210 | 00 90 | 195 90 | 105 | 155 | 45 | 75 | 165 | 95 | 75 | 165 | 60 | 75 |
| E8752 | 75 00 | 210 | 105 | 135 | | | | | | | | | | |
| 75 00 E8832 | 00 00 80 00 1970-71 | 00 00 | 00 105 | 170 75 | 120 | 00 | 00 | 00 | 00 | 00 | CO | 105 | 45 | 00 |
| 90 -1 E9049 | 85 60 0 0 1970-71 | 90 230 | 100 125 | 195 85 | 115 | 0 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 90 -1 E9221 | 75 0 -1 -1 1970-71 | 0 -1 | 130 -1 | 185 -1 | 170 | 200 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| -1 70 E9283 | -1 -1 120 0 | 60 175 | 0 120 | 180 135 | 115 | 160 | 30 | -1 | -1 | 105 | 0 | 135 | 45 | 0 |
| 70 40 E9458 | 60 75 90 60 | 00 | 00 00 | 195 00 | 90 | 145 | 55 | 85 | 220 | 120 | 85 | 200 | 60 | 15 |
| 75 60 E9512 | 90 65 1970-71 | 00 | 00 | 165 | 105 | 155 | 40 | 95 | 225 | 115 | 100 | 135 | 60 | 60 |
| C 7 7 L C | 1910-11 | | | | | | | | | | | | | |

| | 60 60 | 30 30 0 0 | -1 150 | -1 0 | -1 90 | -1 | 65 | 0 | o | С | 0 | С | 105 | 6C | С |
|---|------------------|-----------------------------|-----------|------------|------------|-----|-----|----|-----|-----|-----|-----|-----|-----|----|
| L | 6 -1 60 | 1970-71 -1 -1 -1 -1 | 90 -1 | 60 105 | 155 150 | 160 | -1 | -1 | 90 | 235 | 180 | 60 | 195 | 45 | ۵ |
| L | 10 50 -1 | 1970-71 0 0 80 70 | 110 | 60 120 | 150 155 | 110 | 100 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| Ĺ | 11 60 35 | 1970-71 0 0 80 90 | 50 190 | 50 -1 | 135 | 150 | 120 | 15 | 80 | 225 | 140 | 45 | 180 | 5C | 60 |
| L | 33 105 | 1970-71 60 60 | 0 | 90 | 185 | 145 | 105 | 0 | 90 | 220 | 140 | 45 | 21C | С | 60 |
| L | 30 46 90 | 75 80 1970-71 75 45 | 180 | 140 80 | 125 | 170 | 150 | 0 | 100 | 220 | 135 | 120 | 17C | 75 | 55 |
| L | 50 52 | 165 80 1970-71 | -1 | -1 | -1 | | | | | | | | | | |
| Ł | 53 90 | 1970-71 70 50 | 0 | 86 | 170 | 170 | 175 | 0 | 100 | 215 | 110 | С | 185 | 3 C | 90 |
| Ĺ | 45 54 90 | 165 120 1970-71 70 40 | 205 | 140 | 80 | 170 | | 0 | 100 | | | | | | |
| L | -1 128 | -1 -1 1970-71 | 220 | 150 | 80 | | 175 | | | 210 | 60 | С | 180 | -1 | -1 |
| L | -1 30 179 | -1 -1 18C -1 1970-71 | 0 235 | 80 120 | 210 120 | 135 | 130 | 0 | 90 | 255 | 150 | 170 | 140 | 7C | 70 |
| L | 85 30 191 | 60 0 120 115 1970-71 | 0 210 | 80 -1 | 150 -1 | 165 | 130 | 0 | 0 | 220 | 180 | 2 C | 180 | 6C | 75 |
| | 85 20 213 | 55 60 100 60 1970-71 | 0 185 | 80 100 | 150 135 | 150 | 100 | 20 | 60 | 230 | 175 | 90 | 170 | 115 | 45 |
| | 60 30 | 0 60 95 75 | 0 205 | 70 125 | 120 115 | 150 | 110 | 0 | 75 | 225 | 175 | 5 C | 150 | С | 65 |
| | 250 -1 15 | 1970-71 -1 -1 -1 -1 | 0 250 | 110 120 | 165 90 | 195 | -1 | -1 | 0 | 210 | 175 | 110 | 200 | С | 60 |
| L | 259 100 40 | 1970-71 50 55 90 0 | 0 205 | 85 -1 | 155 -1 | 145 | 120 | 0 | 90 | 230 | 180 | 55 | 210 | С | 70 |
| L | 292 85 35 | 1970-71 0 0 -1 -1 | 100 | 85 105 | 150 165 | -1 | -1 | -1 | 65 | 210 | 180 | 5 C | 195 | 50 | 60 |
| L | 303 90 35 | 1970-71 60 0 120 100 | 0 210 | 80 130 | 155 100 | 165 | 120 | 0 | 80 | 215 | 180 | 50 | 175 | 60 | 90 |
| L | 372 | 1970-71 | 210 | 130 | 100 | | | | | | | | | | |

| 08 0 | 50 35 130 0 | 0 215 | 90 120 | 170 150 | 135 | 90 | 0 | 75 | 270 | 140 | 180 | 130 | 70 | 30 |
|-------------------|--------------------------|------------|----------------|------------|-----|-----|----|-------|-------|-----|-----|-----|-----|-----|
| L 434 50 45 | 1970-71 0 0 105 40 | 100 | 90 80 | 140 140 | 165 | 130 | 0 | 85 | 250 | 180 | 55 | 200 | 35 | 55 |
| L 435 55 | 1970-71 45 0 | 80 | 100 | 150 | 160 | 130 | 0 | 85 | 250 | 190 | 60 | 225 | 6C | С |
| 80 L 451 | 50 150 1970-71 | -1 | -1 | -1 | | | | | | | | | | |
| L 458 | 1970-71 | | | | | | | | | | | | | |
| 75 | 35 0 | 80 | 100 | 125 | 135 | 150 | 0 | 80 | 250 | 170 | 75 | 180 | 60 | 45 |
| 45 L 466 | 0 145 1970-71 | -1 | 105 | 110 | | | | | | | | | | |
| 80 | 60 60 | 0 | 120 | 180 | 145 | 120 | 0 | -1 | -1 | -1 | -1 | 220 | 105 | 55 |
| 30 | 155 80 | 205 | 140 | 115 | | | | • | | | | | | |
| L 694 75 | 1970-71 60 45 | 0 | 110 | 175 | 185 | 105 | 10 | 95 | 235 | 125 | 35 | 175 | С | 30 |
| 25 | 120 65 | 195 | 135 | 110 | 107 | 10) | 10 | - / / | 2,5 | 127 | , | 117 | · | 30 |
| L1017 | 1970-71 | | | | | | | | | | | | | |
| 70 | 0 0 | 0 | 90 | 140 | 195 | -1 | -1 | 0 | 205 | 180 | 4 C | 180 | 95 | 45 |
| 25 L1074 | 120 40 1970-71 | 225 | 155 | 110 | | | | | | | | | | |
| 80 | 75 45 | 0 | 105 | 145 | 155 | 195 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| -1 | 150 120 | 230 | 160 | 100 | | | | | | | | | | |
| L1107 | 1970-71 | • | | | | | | | | | | | | |
| 95 45 | 60 30 -1 -1 | 0 205 | -1 -1 | 165 -1 | 150 | -1 | -1 | 90 | 230 | 145 | 45 | 210 | 30 | 30 |
| L1108 | 1970-71 | 203 | | - • | | | | | | | | | | |
| -1 | 60 65 | 0 | 110 | 175 | 195 | 105 | 0 | 0 | 45 | 0 | O | 180 | 35 | 50 |
| 15 | 0 0 | -1 | 0 | 0 | | | | | | | | | | |
| L1181 100 | 1970-71 70 75 | 0 | 90 | 190 | 140 | 110 | 0 | -1 | -1 | -1 | -1 | _ 1 | | _ • |
| -1 | 135 70 | -1 | - 1 | -1 | 140 | 110 | U | -1 | -1 | -1 | - 1 | -1 | -1 | -1 |
| M 100 | 1970-71 | _ | - | - | | | | | | | | | | |
| 70 | 55 70 | 95 | 75 | 195 | 115 | 195 | 15 | 90 | 240 | 110 | 3 C | 195 | 35 | 45 |
| 30 M 101 | 70 75 1970-71 | 190 | 100 | 115 | | | | | | | | | | |
| 110 | 100 0 | 75 | 55 | 175 | 105 | 110 | 50 | 55 | 205 | 90 | 30 | 160 | 60 | 30 |
| 65 | 120 90 | 190 | -1 | -1 | | ••• | 30 | | 2 ,,, | ,, | 30 | 100 | 00 | ,,, |
| M 102 | 1970-71 | | | | | | | | | | | | | |
| 110 | 120 45 | 120 200 | 0 | 190 | 120 | 175 | 70 | 75 | 195 | 115 | С | 135 | 75 | 45 |
| 45 M 103 | 30 0 1970-71 | 200 | 125 | 160 | | | | | | | | | | |
| 110 | 100 90 | 90 | 0 | 195 | 130 | 160 | 75 | 85 | 195 | 85 | 55 | 150 | 70 | 30 |
| 45 | 60 0 | 210 | 165 | 170 | - | | | | - • | | | | | |
| M 104 | 1970-71 | _ | _ | | | | | | | | | | | |
| -1 60 | -1 -1 -1 -1 | 0 -1 | 0 -1 | 180 -1 | 110 | 150 | 35 | 75 | 165 | 70 | 45 | 140 | 70 | 40 |
| M 124 | 1970-71 | -1 | -1 | -1 | | | | | | | | | | |

| м | 70 30 225 | 90 85 120 0 1970-71 | | 100 130 | 195 150 | 165 | 90 | 45 | 105 | 260 | 150 | 210 | 190 | 6C | 20 |
|----|-----------------|-----------------------------|------------|------------|-------------------|-----|-----|----|-----|-----|------|-----|-----|-----|----|
| | 80 25 226 | 80 90 60 85 1970-71 | 60 230 | 35 105 | 180 7 0 | 90 | 170 | 35 | 115 | 220 | 130 | 100 | | | |
| | 60 20 228 | 45 115 90 75 | 60 205 | 55 145 | 180 60 | 90 | 135 | 25 | 110 | 235 | 125 | 80 | 180 | 90 | 35 |
| | 20 230 | 55 75 60 85 1970-71 | 110 230 | 20 115 | 180 120 | 110 | 180 | 40 | 125 | 225 | 125 | 120 | 210 | 95 | 75 |
| N | 80 35 A | 65 110 115 80 1970-71 | 135 180 | 30 | 225 | 120 | 130 | 45 | 90 | 240 | 125 | 105 | 195 | 75 | 45 |
| N | 85 60 B | 60 50 110 70 1970-71 | 90 240 | 85 165 | 170 70 | 125 | 155 | 30 | 80 | 265 | 140 | 75 | 165 | 70 | 40 |
| N | 15 1 | 55 75 90 50 1970-71 | 45 255 | 20 145 | 185 50 | 110 | 155 | 15 | 120 | 245 | 125 | 90 | 140 | 105 | 25 |
| N | 100 30 2 | 90 70 60 00 1970~71 | 85 225 | 125 | 100 | | 135 | 00 | 50 | 165 | 85 | 65 | 170 | 65 | 80 |
| .4 | 75 45 3 | 75 45 60 70 1970-71 | 60 195 | 90 90 | 220 130 | 95 | 200 | 15 | 105 | 210 | 120 | 90 | 165 | 35 | 70 |
| N | 90 30 4 | 55 85 120 35 1970-71 | 85 245 | 20 145 | 225 75 | 70 | 170 | 25 | 80 | 210 | 125 | 35 | 215 | 15 | 75 |
| N | 80 50 5 | 65 45 110 70 1970-71 | 90 225 | 30 125 | 90 | | 170 | 15 | 105 | 200 | 110 | 9C | 195 | 5 C | 75 |
| N | 60 25 6 | 50 85 135 30 1970-71 | 55 240 | 15 | 200 | 70 | 155 | 15 | 70 | 195 | 105 | 4 C | 200 | 50 | 60 |
| N | 90 50 7 | 110 95 110 40 1970-71 | 15 250 | 15 125 | 110 | | 160 | 15 | 80 | 185 | 80 . | 35 | | 35 | 70 |
| Ŋ | 35 8A | 1970-71 | <u>.</u> - | 145 | 120 | | | | 15 | 230 | 105 | 55 | 225 | 45 | 60 |
| N | 70 20 94 | 60 55 00 00 1970-71 | 00 250 | 00 115 | 175 110 | 105 | 140 | 15 | 00 | 170 | 110 | 15 | 135 | 3C | 55 |

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N 11 1970-71

| | N 12A | 120 1970-7 | 35 '1 | 160 | 100 | | | | | | | | | | |
|----|------------------|---------------------------|----------------------|-----------------|------------|------------|-----|-----|-----|-----|-----|-----|-----|-----|----|
| ł | V 13 | | | | | | | | | | | | | | |
| | 60 40 14 | 120 | 65 22 | 35 90 25 155 | | 120 | 160 | 25 | 70 | 255 | 115 | 70 | 180 | 65 | 35 |
| | 90 50 | 60 125 | 60 11 65 22 | | | 125 | 165 | 10 | 110 | 220 | 125 | 55 | 175 | 80 | 70 |
| , | 1 15 60 40 | 60 | 60 4 | 5 70 | 180 | 120 | 145 | 10 | 105 | 220 | 110 | 60 | 185 | | |
| ٨ | | 1970-7 | - | 0 155 | | • • • • | | | | | *** | 80 | 100 | 80 | 35 |
| N | | 100 1 1970-7 | 25 20 1 | 0 160 | 150 | 120 | 135 | 25 | 110 | 230 | 120 | 70 | 180 | 75 | 30 |
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| Ŋ | 40 21 | 45 (1970-71 | 0 219 | | 155 | 107 | 100 | 30 | 20 | 175 | 105 | CC | 195 | 40 | 65 |
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| s | 30 205 | 105 39 1970-71 | 5 230 | | | a u | 185 | 35 | 90 | 205 | 120 | 45 | 170 | 70 | 75 |
| s | 50 206 | 40 50 | 0 150 205 | CO | 210 | 100 | 195 | 45 | 85 | 195 | 90 | 110 | 165 | 3 C | 65 |
| | 80 15 208 | 55 65 80 60 1970-71 | | 60 | 180 | 125 | | | 105 | 210 | 115 | 50 | 145 | 6C | 35 |
| | | | | | | | | | | | | | | | |

| S | 80 25 209 | 80 7 5 | 90 55 | 00 210 | 60 | 180 | 110 | 150 | 30 | 120 | 220 | 110 | 100 | 180 | 4C | 80 |
|---|-----------------|---------------------|----------------|------------|-----------|-------------------|-----|-----|----|-----|-----|-----|-----|-----|----|----|
| | 210 | | 80 | 50 230 | 25 90 | 180 110 | 100 | 150 | 15 | 100 | 240 | 125 | 105 | 190 | 90 | 70 |
| S | 211 75 25 | 1970- 65 55 | 71 65 90 | 120 250 | 20 | 180 | 125 | 155 | 15 | 120 | 215 | 105 | 8 C | 18C | 75 | 60 |
| S | 212 | 1970- | 71 | | | | | 160 | 30 | 105 | 220 | 110 | 100 | 165 | | |
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| S | 217 | 1970- | | 1.40 | 90 | 105 | | 180 | 00 | 110 | 210 | 110 | 85 | 195 | 75 | 60 |
| S | 00 221 | | | 160 | 90 | 105 | | | | | | | | | | |
| S | 231 30 | 1970- 65 100 | 71 70 60 | 90 205 | 60 105 | 180 85 | 110 | 135 | 40 | 115 | 235 | 135 | 105 | 180 | 8C | 90 |
| S | 232 80 45 | 1970- 60 100 | 71 75 80 | 70 225 | 70 105 | 185 7 5 | 140 | 140 | 50 | 100 | 220 | 130 | 225 | 200 | 90 | 90 |
| S | 233 80 45 | 1970- 60 115 | 71 45 75 | 90 240 | 30 135 | 190 135 | 95 | 150 | 00 | 95 | 205 | 90 | 9C | 220 | 6C | 75 |
| S | 234 80 55 | 1970- 50 55 | | 00 215 | 20 110 | 180 75 | 105 | 150 | 00 | 110 | 235 | 130 | 100 | 200 | 85 | 20 |
| S | 235 90 45 | 1970- 95 40 | | 45 235 | 00 140 | 180 120 | 105 | 160 | 00 | 65 | 160 | 90 | 60 | 155 | 60 | 75 |
| S | 236 65 40 | 1970- 60 135 | | 90 210 | 90 120 | 190 110 | 115 | 180 | 40 | 110 | 200 | 100 | 55 | 155 | 6C | 30 |
| S | 238 | | | _ • • | | | | | | | | | | | | |
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| S | 25 242 | 1970- | -71 | | | | | 165 | 20 | 105 | 225 | 105 | 105 | 170 | 75 | 30 |
| S | 25 249 | | | | | | | | | | | | | | | |

| \$ 25 | 1 1970-71 | | | | | | | 110 | 200 | 120 | 85 | 165 | 40 | 75 |
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| | 0 50 75 | 130 | 95 | 170 | 120 | 140 | 15 | 85 | 240 | 110 | 50 | 195 | 9C | 90 |
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| | 5 75 60 | 90 | 60 | 195 | 90 | 195 | 30 | 120 | 210 | 110 | 70 | 215 | 5C | 70 |
| | 0 80 85 | 200 | | | | | | | | | | | | |
| ٧ ٤ | 1970-71 | | - . | | | 100 | | | | | | | | |
| , | £ 05 00 | 60 | 75 | 190 | 120 | 150 | 15 | 110 | 235 | 135 | 125 | 18C | 9C | OC |
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| | 25 0 60 | 0 | 90 | 145 | 125 | 105 | 0 | 75 | 230 | 165 | 80 | 180 | 55 | 45 |
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| V 13 | | | | ••• | | | | | | | | | | |
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| | | 210 | 110 | 105 | | | | | | | | | | |
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| | 0 60 65 | 00 | 75 | 210 | 120 | 145 | 15 | 90 | 240 | 120 | 120 | 220 | 90 | 00 |
| | 95 00 | 195 | 80 | 120 | | | | | | | | | | |
| V 16 | | | | | | | | | | | | | | |
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| - | 5 105 30 | 210 | 90 | 120 | | | | | | | | | | |
| V 16 | | | 75 | 100 | 125 | 120 | 00 | 0.5 | 225 | | 0.5 | 1.5 | | 3.0 |
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| | 5 105 100 | 190 | 90 | 145 | | | | | | | | | - | - |
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| V 175 | | 85 | 75 | 170 | 125 | 120 | 30 | 95 | 240 | 115 | 135 | 165 | 25 | 30 |
| 45 V 188 | | 195 | 105 | 65 | | | | | | | | | | |
| 60 45 | 60 60 | 0 195 | 90 125 | 165 115 | 120 | 135 | 0 | 105 | 240 | 170 | 85 | 130 | 6C | 60 |
| V 189 | 1970-71 | 0 | 90 | 190 | 180 | 120 | 0 | 75 | 240 | 150 | 95 | 150 | 90 | 35 |
| 45 V 190 | 60 U | 190 | 90 | 115 | 130 | 120 | Ü | , , | 240 | 150 | 7.5 | 170 | ,, | ,, |
| 55 35 | 50 60 | 0 180 | 80 115 | 180 105 | 190 | 120 | 15 | 110 | 240 | 115 | 95 | 190 | 75 | 45 |
| V 191 | 1970-71 | 0 | 75 | 180 | 160 | 150 | 0 | 110 | 245 | 165 | 90 | 170 | 0.0 | 20 |
| 30 V 192 | 95 80 | 210 | 120 | 140 | 160 | 150 | U | 110 | 247 | 102 | 90 | 170 | 90 | 20 |
| 45 | 45 60 | 0 | 75 | 180 | 130 | 120 | 0 | 105 | 235 | 170 | 60 | 15C | 13C | 50 |
| V 193 | 1970-71 | 205 | 125 | 120 | | | | 2.0 | 225 | | | | | |
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| V 194 | 0 0 | 0 | 55 | 175 | 135 | 150 | 0 | 105 | 230 | 150 | 90 | 150 | 45 | 30 |
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| V 198 | 35 70 | 85 | 85 | 200 | 180 | 130 | 15 | 95 | 240 | 120 | 9 C | 205 | 80 | 45 |
| V 206 | 1970-71 | 195 | 105 | 60 | | | | | | | | | | |
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| V 207 | 60 60 | 70 | 90 | 190 | | 140 | 25 | 95 | 215 | 130 | 120 | 195 | 75 | 20 |
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| V 221 | 70 00 | 00 | 45 | 180 | 120 | 110 | 00 | 75 | 235 | 125 | 9 C | 200 | 65 | 20 |
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